

Result No.	Score	Query Match	Length	DB	ID	Description	
1	2481	100.0	2481	4	US-09-564-805-1	Sequence 1, Appl	
2	2481	100.0	2958	4	US-09-564-805-3	Sequence 3, Appl	
3	2455.4	99.0	2908	4	US-09-564-805-223	Sequence 223, App	
4	2442.6	98.5	2892	4	US-09-564-805-223	Sequence 223, App	
5	1645.6	66.3	2470	4	US-09-564-805-221	Sequence 221, App	
6	734.8	29.6	783	4	US-09-833-381-2039	Sequence 2039, Ap	
7	470.4	19.0	536	4	US-09-833-381-2038	Sequence 2038, Ap	
8	247.4	10.0	350	4	US-09-564-805-210	Sequence 210, App	
9	247.4	10.0	26664	4	US-09-564-805-28	Sequence 28, Appl	
10	245	9.9	295	4	US-09-564-805-4	Sequence 4, Appl	
11	237	9.6	238	3	US-09-328-111-315	Sequence 315, App	
12	228	9.2	655	4	US-09-564-805-27	Sequence 27, Appl	
13	145	5.8	145	4	US-09-564-805-26	Sequence 26, Appl	
14	139	5.6	139	4	US-09-564-805-16	Sequence 16, Appl	
15	139	5.6	139	4	US-09-564-805-20	Sequence 20, Appl	
16	121	4.9	121	4	US-09-564-805-24	Sequence 24, Appl	
17	120	4.8	120	4	US-09-564-805-18	Sequence 18, Appl	
18	119	4.8	119	4	US-09-564-805-18	Sequence 18, Appl	
19	113.6	4.6	326	4	US-09-564-805-212	Sequence 212, App	
20	113	4.6	113	4	US-09-564-805-14	Sequence 14, Appl	
21	110	4.4	110	4	US-09-564-805-22	Sequence 22, Appl	
22	100	4.0	100	4	US-09-564-805-23	Sequence 23, Appl	
23	97	3.9	97	4	US-09-564-805-19	Sequence 19, Appl	
24	96	3.9	96	4	US-09-564-805-15	Sequence 15, Appl	
25	86	3.5	86	4	US-09-564-805-17	Sequence 17, Appl	
26	79	3.2	79	4	US-09-564-805-25	Sequence 25, Appl	
27	73	2.9	73	4	US-09-564-805-13	Sequence 13, Appl	

QY 241 AACGGTATCTCTTCAACTGTGGAGAGGCGTTTCAGAGACTCATGACAGGACACAAAGTTA 300
 Db 241 AACCGGTATCTCTTCAACTGTGGAGAGGCGTTTCAGAGACTCATGACAGGACACAAAGTTA 300
 QY 301 AAGGTGTCTCGCTCGGCAACATATTCCTGACACGAATGCACTGGTCTAAATGTTGGGGC 360
 Db 301 AAGGTGTCTCGCTCGGCAACATATTCCTGACACGAATGCACTGGTCTAAATGTTGGGGC 360
 QY 361 TTAAGTGAATGATCTTTAATTAAGAAACCGGGCTTCAAAGTGTGACTTTCTGGA 420
 Db 361 TTAAGTGAATGATCTTTAATTAAGAAACCGGGCTTCAAAGTGTGACTTTCTGGA 420
 QY 421 CCTCCAAACTGGAAATACTCGAAGCAATCAAAATATTTCTGGTCCATTGAAGGA 480
 Db 421 CCTCCAAACTGGAAATACTCGAAGCAATCAAAATATTTCTGGTCCATTGAAGGA 480
 QY 481 ATAGAACTGGGTGTGGGCCCACTCTGCCCCAGAAATACGAGGATGAACCATGACAGTT 540
 Db 481 ATAGAACTGGGTGTGGGCCCACTCTGCCCCAGAAATACGAGGATGAACCATGACAGTT 540
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 Db 541 TACCAGATCCCATACACAGTGAACAGAGAGGGAAGCACCACCATGGCAGAGTCCA 600
 QY 601 GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCAATGAAAT 660
 Db 601 GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCAATGAAAT 660
 QY 661 GAGCCACACTTCCACATGTTAGCCAGAGAGGAGGCTCAGGACTCTTCCCTGGTC 720
 Db 661 GAGCCACACTTCCACATGTTAGCCAGAGAGGAGGCTCAGGACTCTTCCCTGGTC 720
 QY 721 GTAGCTTTATCTGTAAGCTTCACTTAAAGAGGAACTTCTTGGTGTCAAGCAAG 780
 Db 721 GTAGCTTTATCTGTAAGCTTCACTTAAAGAGGAACTTCTTGGTGTCAAGCAAG 780
 QY 781 GAGATGGGCTCCAGTGGGACAGCTGCCATCGCTCCCATCATGCTGTCAAGGAC 840
 Db 781 GAGATGGGCTCCAGTGGGACAGCTGCCATCGCTCCCATCATGCTGTCAAGGAC 840
 QY 841 GGGAAAGCATCACTCATGAAGAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCCA 900
 Db 841 GGGAAAGCATCACTCATGAAGAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCCA 900
 QY 901 GATCCTGGTGTCTTTTGTGGTGAATGTCAGATGAAGAGCTTCAATCAACCCATC 960
 Db 901 GATCCTGGTGTCTTTTGTGGTGAATGTCAGATGAAGAGCTTCAATCAACCCATC 960
 QY 961 TGTGAGATGCCACTTTCAGAGGTACCAAGGAAGCAGATGCCCGCTGGCTTGGTG 1020
 Db 961 TGTGAGATGCCACTTTCAGAGGTACCAAGGAAGCAGATGCCCGCTGGCTTGGTG 1020
 QY 1021 GTTCACATGGCCCCAGCATCTGTCTGTGGAGCAGAGGTACCAGCAGTGGATGGAGAG 1080
 Db 1021 GTTCACATGGCCCCAGCATCTGTCTGTGGAGCAGAGGTACCAGCAGTGGATGGAGAG 1080
 QY 1081 TTTGGGCTCAGACCCAGCACTTGGTCTGAATGAGAACTGTGCTCAGTTCACACCTT 1140
 Db 1081 TTTGGGCTCAGACCCAGCACTTGGTCTGAATGAGAACTGTGCTCAGTTCACACCTT 1140
 QY 1141 CGCAGCCACAAGATTTCAACCCAGCTCAACTCATCCACCGGACATCTTCCCTCTGTC 1200
 Db 1141 CGCAGCCACAAGATTTCAACCCAGCTCAACTCATCCACCGGACATCTTCCCTCTGTC 1200
 QY 1201 ACCAGTTTCCGCTGTGAAGAGAGGAGGCCCCACCTCAGTGTGCCCATGTTGAGGTGAA 1260
 Db 1201 ACCAGTTTCCGCTGTGAAGAGAGGAGGCCCCACCTCAGTGTGCCCATGTTGAGGTGAA 1260
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 Db 1261 TGCTCTCAAGTACAGCTCCGTCAGAGAGGAGTGGCAGAGGATGCCATTAATTAAT 1320
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Db 1321 TGCAATCCTGAGGAATTCATAGTTGAGGCGTTCAGCTTCCCAACTTCCAGCAGCGTG 1380
 QY 1381 CAGGAGTACAGGAGAGTCCGACGACCGGCCAGCCCCAGCAGAGAAAGTCAAGTAC 1440
 Db 1381 CAGGAGTACAGGAGAGTCCGACGACCGGCCAGCCCCAGCAGAGAAAGTCAAGTAC 1440
 QY 1441 CCAGAAATCATCTCTTCTTGGAAACAGGGTCTGCCATCCGATGAAGATCGAAATGTAGT 1500
 Db 1441 CCAGAAATCATCTCTTCTTGGAAACAGGGTCTGCCATCCGATGAAGATTCGAAATGTAGT 1500
 QY 1501 GCCACACTTGTCAACATAAGCCCGACACGCTCTCTGTACTTGGACTGTGGTGAAGGACACA 1560
 Db 1501 GCCACACTTGTCAACATAAGCCCGACACGCTCTCTGTACTTGGACTGTGGTGAAGGACACA 1560
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 Db 1561 TTTGGGACAGTGTGCGCTCATTAAGGAGACAGGTGACAGGGTCTTGGGCACTTGGCT 1620
 QY 1621 GCTGTGTTTGTCTCCACCTCGACGAGATCACACAGGGCTTCCCAAGTATCTTCTG 1680
 Db 1621 GCTGTGTTTGTCTCCACCTCGACGAGATCACACAGGGCTTCCCAAGTATCTTCTG 1680
 QY 1681 CAGAGAAACCGGCTTGGCATCTTTGGAAAGCGCTTCACTTGTGGTGGTGGC 1740
 Db 1681 CAGAGAAACCGGCTTGGCATCTTTGGAAAGCGCTTCACTTGTGGTGGTGGC 1740
 QY 1741 CCCACACAGCTCAAGCTGGCTCCAGCAGTACACACAGGCTCCAGGAGGCTCTGCAC 1800
 Db 1741 CCCACACAGCTCAAGCTGGCTCCAGCAGTACACACAGGCTCCAGGAGGCTCTGCAC 1800
 QY 1801 CACATCAGTATGATTCCTGCCAAATGCTTCAGAAAGGGCTCAGATCTCCAGTCTGCA 1860
 Db 1801 CACATCAGTATGATTCCTGCCAAATGCTTCAGAAAGGGCTCAGATCTCCAGTCTGCA 1860
 QY 1861 GTGAAAGATGATGATTCCTGCGAAACATGATTTGGAAGATTTTCAAGCTGT 1920
 Db 1861 GTGAAAGATGATGATTCCTGCGAAACATGATTTGGAAGATTTTCAAGCTGT 1920
 QY 1921 CTGGTGGGCACTGCAAGCATGCGTTTGGCTGTGCGTGGTGACACCTCTGGCTGAAA 1980
 Db 1921 CTGGTGGGCACTGCAAGCATGCGTTTGGCTGTGCGTGGTGACACCTCTGGCTGAAA 1980
 QY 1981 GTGTTCTATTCGGGGAACAACATCCCTGCGAGGCTCTGGTCCGATGGGAAAGATGCC 2040
 Db 1981 GTGTTCTATTCGGGGAACAACATCCCTGCGAGGCTCTGGTCCGATGGGAAAGATGCC 2040
 QY 2041 ACCCTCTGTATACATGAAGCCACCTCGAAGATGGTTTGAAGAGGAGCAGTGGAAG 2100
 Db 2041 ACCCTCTGTATACATGAAGCCACCTCGAAGATGGTTTGAAGAGGAGCAGTGGAAG 2100
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 Db 2101 ACACACAGCAACAGTCCCAAGCCATCAGCGTGGGATGCGGATGAACCGGAGTTCATT 2160
 QY 2161 ATGCTGAACCACTTCAGCAGCGCTATGCCAAGTCCCTCTTTCAGCCCACTTCAGC 2220
 Db 2161 ATGCTGAACCACTTCAGCAGCGCTATGCCAAGTCCCTCTTTCAGCCCACTTCAGC 2220
 QY 2221 CAGAAAGTGGGAGTGTGCTTTGACCATGAAGTCTGCTTTGGAGACTTTCACCAATG 2280
 Db 2221 CAGAAAGTGGGAGTGTGCTTTGACCATGAAGTCTGCTTTGGAGACTTTCACCAATG 2280
 QY 2281 CCCAAGCTGATTCCTCCCACTGAAGCCCTGTTGCTGGGCACTCGAGGAGATGAGGAG 2340
 Db 2281 CCCAAGCTGATTCCTCCCACTGAAGCCCTGTTGCTGGGCACTCGAGGAGATGAGGAG 2340
 QY 2341 CGCAGGAGAGAGCGGAGCTGCGGAGGCTCGGGGCGGCTCTCTGTCCAGGGAGCTGGCA 2400
 Db 2341 CGCAGGAGAGAGCGGAGCTGCGGAGGCTCGGGGCGGCTCTCTGTCCAGGGAGCTGGCA 2400
 QY 2401 GCGGCGCTGAGGAGTGGGAGCTTCAGCAGAGCGGCGCCACACAGAGAGGACACAGGCT 2460

Db	2401	GGCGGCTGAGAGATGGGGAGCCTTACAGAGAAGCGGGGCCCAACACAGAGGAGCCACAGGCC	2460
Qy	2461	AAGAAGTTCAGAGCCCAAGTGA	2481
Db	2461	AAGAAGTTCAGAGCCCAAGTGA	2481
RESULT 2			
US-09-564-805-3			
; Sequence 3, Application US/09564805			
; Patent No. 6333403			
; GENERAL INFORMATION:			
; APPLICANT: Tavtigian, Sean V.			
; APPLICANT: Teng, David H.F.			
; APPLICANT: Simard, Jacques			
; APPLICANT: Rommens, Johanna M.			
; APPLICANT: Myriad Genetics, Inc.			
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility			
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes			
; FILE REFERENCE: 2318-258			
; CURRENT APPLICATION NUMBER: US/09/564,805			
; CURRENT FILING DATE: 2000-05-05			
; PRIOR APPLICATION NUMBER: US 60/107,468			
; PRIOR FILING DATE: 1998-11-06			
; PRIOR APPLICATION NUMBER: 09/434,382			
; PRIOR FILING DATE: 1999-11-05			
; NUMBER OF SEQ ID NOS: 240			
; SOFTWARE: PatentIn Ver. 2.0			
; SEQ ID NO 3			
; LENGTH: 2958			
; TYPE: DNA			
; ORGANISM: Homo sapiens			
; FEATURE:			
; NAME/KEY: misc feature			
; LOCATION: (51)..(2531)			
; OTHER INFORMATION: coding sequence as in SEQ ID NO:1			
US-09-564-805-3			
Query Match 100.0%; Score 2481; DB 4; Length 2958;			
Best Local Similarity 100.0%; Pred. No. 0;			
Matches 2481; Conservative 0; Mismatches 0; Indels 0; Gaps 0;			
Qy	1	ATGTGGCGCTTTGCTGCTGCTCGGTGTCGGCGCGGACGCCACATGTCGCAAGGACGC	60
Db	51	ATGTGGCGCTTTGCTGCTGCTCGGTGTCGGCGCGGACGCCACATGTCGCAAGGACGC	110
Qy	61	ACCATATCGAGGACGACCGCGCGGAGCGCGGCGGACCGCTCGGCGACCTG	120
Db	111	ACCATATCGAGGACGACCGCGCGGAGCGCGGCGGACCGCTCGGCGACCTG	170
Qy	121	CGACGCGAGAGAGCGCGGACCGCTCGGGGTGCTCCGCGCGCCCAACACCGCTGTACCTG	180
Db	171	CGACGCGAGAGAGCGCGGACCGCTCGGGGTGCTCCGCGCGCCCAACACCGCTGTACCTG	230
Qy	181	CAGGTGTTGGCAGCGGTAGCGGGAGCTCGGGCGCGCGGCTCTAGCTCTTCTCGAGTTC	240
Db	231	CAGGTGTTGGCAGCGGTAGCGGGAGCTCGGGCGCGCGGCTCTAGCTCTTCTCGAGTTC	290
Qy	241	AACCGGTATCTCTTCAACTGTGGAGAGGCGCTTCAGAGACTCATGCGAGGACACAAGTTA	300
Db	291	AACCGGTATCTCTTCAACTGTGGAGAGGCGCTTCAGAGACTCATGCGAGGACACAAGTTA	350
Qy	301	AAGTTGCTCGCCTGGACAAACATATTCCTGACAGCATGCACTGGTCTAAATGTTGGGGGC	360
Db	351	AAGTTGCTCGCCTGGACAAACATATTCCTGACAGCATGCACTGGTCTAAATGTTGGGGGC	410
Qy	361	TTAAGTGAATGATTCTTACTTTTAAAGGAAACCGGGCTTCGAAAGTGTGTACTTTCTGGA	420
Db	411	TTAAGTGAATGATTCTTACTTTTAAAGGAAACCGGGCTTCGAAAGTGTGTACTTTCTGGA	470
Qy	421	CCTCCCAACTGGAAAAATACCTCGAAGCAATCAAAATATTTTCTGGTCCATTTGAAAGGA	480
Db	471	CCTCCCAACTGGAAAAATACCTCGAAGCAATCAAAATATTTTCTGGTCCATTTGAAAGGA	530

QY	481	ATAGAACTGGCTGTGCGGCCCACTCTGCCCCAGAAATACGAGGATGAAACCATGACAGTT	540
DB	531	ATAGAACTGGCTGTGCGGCCCACTCTGCCCCAGAAATACGAGGATGAAACCATGACAGTT	590
QY	541	TACCAGATCCCCATACACAGTGAACAGAGAGGGGAAGCACCAACCATGSCAGAGTCCA	600
DB	591	TACCAGATCCCCATACACAGTGAACAGAGAGGGGAAGCACCAACCATGSCAGAGTCCA	650
QY	601	GAAGGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCGAATGAAAT	660
DB	651	GAAGGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCGAATGAAAT	710
QY	661	GAGCCACACTTCACATGCTTTAGCCAGAGAGGGGTTCAGGACTCTTCCCTGGTC	720
DB	711	GAGCCACACTTCACATGCTTTAGCCAGAGAGGGGTTCAGGACTCTTCCCTGGTC	770
QY	721	GTAGCTTTCATCTGTAAGCTTCACCTTAAAGAGAGAAACTTCTTGGTGCTCAAGACAAAG	780
DB	771	GTAGCTTTCATCTGTAAGCTTCACCTTAAAGAGAGAAACTTCTTGGTGCTCAAGACAAAG	830
QY	781	GAGATGGGCTCCAGTTGGGACAGCTGCCATCGCTCCCATCATTTGCTGTCTCAAGAC	840
DB	831	GAGATGGGCTCCAGTTGGGACAGCTGCCATCGCTCCCATCATTTGCTGTCTCAAGAC	890
QY	841	GGGAAAAGCATCACTCATGAAGGAAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCCA	900
DB	891	GGGAAAAGCATCACTCATGAAGGAAGAGAGATTTTGGCTGAAGAGCTGTGTACTCTCCA	950
QY	901	GATCCTGGTGCTCTTTTGGTGGAATGTCAGATGAAGACTTCATTCACCCCATC	960
DB	951	GATCCTGGTGCTCTTTTGGTGGAATGTCAGATGAAGACTTCATTCACCCCATC	1010
QY	961	TGTGAGATGCCACTTTCAGAGGTACAGGAAGGCAGATGCCCGTGGCTTGGT	1020
DB	1011	TGTGAGATGCCACTTTCAGAGGTACAGGAAGGCAGATGCCCGTGGCTTGGT	1070
QY	1021	GTTCCACATGGCCCCAGCATCTGTCTTGTGGACAGCAGTACCAAGCTGTGATGAGAGG	1080
DB	1071	GTTCCACATGGCCCCAGCATCTGTCTTGTGGACAGCAGTACCAAGCTGTGATGAGAGG	1130
QY	1081	TTTGGGCTGACACCCAGCATTTGGTCTGTGAAATGAGAACTGTGCTCAGTTCAACCTT	1140
DB	1131	TTTGGGCTGACACCCAGCATTTGGTCTGTGAAATGAGAACTGTGCTCAGTTCAACCTT	1190
QY	1141	CGCAGCCACAGATTCAAACCCAGCTCAAACCTCATCCACCGGACATCTTCCCTGCTC	1200
DB	1191	CGCAGCCACAGATTCAAACCCAGCTCAAACCTCATCCACCGGACATCTTCCCTGCTC	1250
QY	1201	ACCAAGTTTCGCTGTAAAGAGGGGCCCAACCTCATGTGTCCTAGTTGAGGGTGA	1260
DB	1251	ACCAAGTTTCGCTGTAAAGAGGGGCCCAACCTCATGTGTCCTAGTTGAGGGTGA	1310
QY	1261	TGCTCTCTCAGTACAGCTCCGTCAGAGGGAGTGGCAGAGGGATGCCATTATTACT	1320
DB	1311	TGCTCTCTCAGTACAGCTCCGTCAGAGGGAGTGGCAGAGGGATGCCATTATTACT	1370
QY	1321	TGCAATCTCAGGAATTCATAGTTGAGGCGCTGACGCTTCCCACTTCCAGCAGCGTG	1380
DB	1371	TGCAATCTCAGGAATTCATAGTTGAGGCGCTGACGCTTCCCACTTCCAGCAGCGTG	1430
QY	1381	CAGAGTACAGGAGGTGCCAGGACGGCCCCAGCCCCAGCAGAGAAAGTCAAGTAC	1440
DB	1431	CAGAGTACAGGAGGTGCCAGGACGGCCCCAGCCCCAGCAGAGAAAGTCAAGTAC	1490
QY	1441	CCAGAAATCATCTTCTCTGGAAAGGGTCTGCCATCCCGATGAAAGATTGCAAAATGTCAGT	1500
DB	1491	CCAGAAATCATCTTCTCTGGAAAGGGTCTGCCATCCCGATGAAAGATTGCAAAATGTCAGT	1550
QY	1501	GCCACACTGTCAACAATAAGCCCCGACACAGTCTCTGTCTACTGTGACTGTGGTGGGGACA	1560
DB	1551	GCCACACTGTCAACAATAAGCCCCGACACAGTCTCTGTCTACTGTGACTGTGGTGGGGACA	1610

QY 721 GTAGCTTTCATCTGTAAAGCTTCACTTAAAGAGAGAACTTCTTGGTGTCTCAAGCAAG 780
DB 721 GTAGCTTTCATCTGTAAAGCTTCACTTAAAGAGAGAACTTCTTGGTGTCTCAAGCAAG 780
QY 781 GAGATGGGCTCCAGATTGGGAGAGAGTGCATCGCTCCCATCATCTTGGTGTCTCAAGGAC 840
DB 781 GAGATGGGCTCCAGATTGGGAGAGAGTGCATCGCTCCCATCATCTTGGTGTCTCAAGGAC 840
QY 841 GGGAAAGACATCACTCATGAAGAGAGAGATTTGGCTGAAGAGTGTGTACTCTCTCA 900
DB 841 GGGAAAGACATCACTCATGAAGAGAGAGATTTGGCTGAAGAGTGTGTACTCTCTCA 900
QY 901 GATCTGGTCTGCTTTTGGTGGTGAAGATGTCCAGATGAAGCTTCAATCAACCCATC 960
DB 901 GATCTGGTCTGCTTTTGGTGGTGAAGATGTCCAGATGAAGCTTCAATCAACCCATC 960
QY 961 TGTGAGAACTCCACCTTTCAGAGTACCAAGGAAGAGAGATGCGCCGCTGGCTTGGTG 1020
DB 961 TGTGAGAACTCCACCTTTCAGAGTACCAAGGAAGAGAGATGCGCCGCTGGCTTGGTG 1020
QY 1021 GTTCACATGSCCCAGCATCTGTCTTGTGGACAGCAGGTACAGCAGTGGATGAGAGG 1080
DB 1021 GTTCACATGSCCCAGCATCTGTCTTGTGGACAGCAGGTACAGCAGTGGATGAGAGG 1080
QY 1081 TTTGGGCTGACACCCAGCATCTGTCTTGTGGACAGCAGGTACAGCAGTGGATGAGAGG 1140
DB 1081 TTTGGGCTGACACCCAGCATCTGTCTTGTGGACAGCAGGTACAGCAGTGGATGAGAGG 1140
QY 1141 CGAGGACCAAGATTCAACCCAGCTCAAGCTCATCCACCCGACATCTTCCCTGCTC 1200
DB 1141 CGAGGACCAAGATTCAACCCAGCTCAAGCTCATCCACCCGACATCTTCCCTGCTC 1200
QY 1201 ACCAGTTTCGCTGTAAAGAGAGGCCCCACCTCAGTGTGCCATGTTCAAGGTGAA 1260
DB 1201 ACCAGTTTCGCTGTAAAGAGAGGCCCCACCTCAGTGTGCCATGTTCAAGGTGAA 1260
QY 1261 TGCTCTCAAGTACAGCTCCCTCCAGAGAGGAGTGGCAGAGGATGCCATTATCT 1320
DB 1261 TGCTCTCAAGTACAGCTCCCTCCAGAGAGGAGTGGCAGAGGATGCCATTATCT 1320
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DB 1321 TGCAATCTGAGGAATTCATAGTTAGGCGCTCAGCTTCCCACTTCCAGCAGAGCGTG 1380
QY 1381 CAGGAGTACAGGAGGAGTGGCAGAGCGCCAGCCAGCCAGCAGAGAAAGAGTCAGTAC 1440
DB 1381 CAGGAGTACAGGAGGAGTGGCAGAGCGCCAGCCAGCCAGCAGAGAAAGAGTCAGTAC 1440
QY 1441 CCAGAAATCATCTTCTTGAACAGAGGTCTGCCATCCCGATGAAGATTCGAAATGTCAGT 1500
DB 1441 CCAGAAATCATCTTCTTGAACAGAGGTCTGCCATCCCGATGAAGATTCGAAATGTCAGT 1500
QY 1501 GCCACATTTGTCACATTAAGCCCGACACAGTCTCTGCTACTGAGCTGTGGTGAAGGACA 1560
DB 1501 GCCACATTTGTCACATTAAGCCCGACACAGTCTCTGCTACTGAGCTGTGGTGAAGGACA 1560
QY 1561 TTTGGGAGCTGTGCGCTTATTAGGAGACAGGTGGACAGGCTCTGGGACCCCTGGCT 1620
DB 1561 TTTGGGAGCTGTGCGCTTATTAGGAGACAGGTGGACAGGCTCTGGGACCCCTGGCT 1620
QY 1621 GCTGTGTTGTGTCACCTGACGAGATCACCACAGGCTTGCCAAAGTATCTTCTGCTG 1680
DB 1621 GCTGTGTTGTGTCACCTGACGAGATCACCACAGGCTTGCCAAAGTATCTTCTGCTG 1680
QY 1681 CAGAGAGAACCGGCTTGGATCTTTGGGAAGCGCTTACCTTTGCTGGTGGTGGC 1740
DB 1681 CAGAGAGAACCGGCTTGGATCTTTGGGAAGCGCTTACCTTTGCTGGTGGTGGC 1740
QY 1741 CCCAACCGAGCTCAAGGCTGGCTCCAGCAGTACCAACACAGTGCAGAGGCTCTGCAC 1800
DB 1741 CCCAACCGAGCTCAAGGCTGGCTCCAGCAGTACCAACACAGTGCAGAGGCTCTGCAC 1800

QY 1801 CACATCAGTATGATTCCTGCCAAATGCTTTCAGGAAGGGCTGAGATCTCCAGTCTCTCA 1860
DB 1801 CACATCAGTATGATTCCTGCCAAATGCTTTCAGGAAGGGCTGAGATCTCCAGTCTCTCA 1860
QY 1861 GTGGAAAGATTGATCAGTTCGCTGTGGCAACATGTGATTTGGAAGAGTTTCAGACCTGT 1920
DB 1861 GTGGAAAGATTGATCAGTTCGCTGTGGCAACATGTGATTTGGAAGAGTTTCAGACCTGT 1920
QY 1921 CTGGTGGGCACTGCAAGCATGCGTTTGGCTGTGGCTGTGGCTGCAACCTCTGGCTGGAAA 1980
DB 1921 CTGGTGGGCACTGCAAGCATGCGTTTGGCTGTGGCTGTGGCTGCAACCTCTGGCTGGAAA 1980
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DB 1981 GTGGTCTATTTCCGGGGAACCATGCTCGAGGCTCTGGTCCGGATGGGGAAGATGCC 2040
QY 2041 ACCCTCTCTGATACATGAAGCCACCTCGAAGATGTTTGGGAAGAGAGAGTGGAAAAG 2100
DB 2041 ACCCTCTCTGATACATGAAGCCACCTCGAAGATGTTTGGGAAGAGAGAGTGGAAAAG 2100
QY 2101 ACACACAGCACAACCTCCCAAGCCATCAGCGTGGGATGCGGATGAACCGCGAGTTCATT 2160
DB 2101 ACACACAGCACAACCTCCCAAGCCATCAGCGTGGGATGCGGATGAACCGCGAGTTCATT 2160
QY 2161 ATGCTGAACCACTTCAGCAGGCTTATGCAAGGTGCGGCTTTCAGCGCCCAACTTCAGC 2220
DB 2161 ATGCTGAACCACTTCAGCAGGCTTATGCAAGGTGCGGCTTTCAGCGCCCAACTTCAGC 2220
QY 2221 GAGAAAGTGGGAGTTGCTTTCACCATGAAGTCTCTTTGGAGACTTTTCCAAACAATG 2280
DB 2221 GAGAAAGTGGGAGTTGCTTTCACCATGAAGTCTCTTTGGAGACTTTTCCAAACAATG 2280
QY 2281 CCCAAGCTGATTTCCCTTCCCAAGCCATGCGGAGTCTGCTTGGAGACTTTTCCAAACAATG 2340
DB 2281 CCCAAGCTGATTTCCCTTCCCAAGCCATGCGGAGTCTGCTTGGAGACTTTTCCAAACAATG 2340
QY 2341 CCGAGGAGAGAGCGGAGCTGCGGAGTGGCGGCGGCTCTCTGTCAGGAGCTGGCA 2400
DB 2341 CCGAGGAGAGAGCGGAGCTGCGGAGTGGCGGCGGCTCTCTGTCAGGAGCTGGCA 2400
QY 2401 GCGCGCTTGGAGTGGGAGCTCAGCAGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 2460
DB 2401 GCGCGCTTGGAGTGGGAGCTCAGCAGAGCGGCGGCGGCGGCGGCGGCGGCGGCGGCGG 2460
QY 2461 AAGAGGTCAGAGCCCACTGA 2481
DB 2461 AAGAGGTCAGAGCCCACTGA 2481

RESULT 4
US-09-564-805-225
; Sequence 225, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE OF INVENTION: 2318-258
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patent In Ver. 2.0
; SEQ ID NO 225
; LENGTH: 2892
; TYPE: DNA

1258 GAATGCTCTCTCAAGTACCACTCCGTCACAGGAGGAGTGGCAGAGGATGCCATTATT 1317
 1219 GAATGCTCTCTCAAGTATTCAGTCCGCCCCAAGAGAGAGTGGCAGAGGATGCCACTC 1278
 1318 ACTTGGCAATCTGAGGAATTCATAGTTGAGCGCTGACGCTTCCCACTTCCAGCAGAGC 1377
 1279 GACTGCAATCTGATGAATTCATAGCTGAGGCTTGGAGCTCCCGAGTTCCAGGAGAT 1338
 1378 GTGACAGAGTACAGAGAGTGCACAGAGCGCCAGCCAGCCAGCAGAGAGAAAGAGTCAG 1437
 1339 GTGAGAGGATTCGAGAGAGCTGCAGAGAAACCCAGCCAGCAGAGAGAGAGAGCCAG 1398
 1438 TACCAGAGAAATCATCTTCCTTGGAAACAGGCTGCTCCATCCGATGGAAGATTCGAATGTC 1497
 1399 TATCTGAAATGTCTTCTCTGGTACGGGTCTGCCATCCCAATGGAGATCCGAAATGTC 1458
 1498 AGTCCCACTGTTCACATAGACCCCGACACAGCTCTGCTACTGGACTGTGGTAGGGC 1557
 1459 AGTTCCACACTGCTCAACTAAGCCCTGACAACTGCTCTCTGGATTTGTGGAGAGGC 1518
 1558 ACATTTGGGACGCTGTGCGCTCATTCAGAGACAGAGTGGACAGGGTCTCTGGGACCCCTG 1617
 1519 ACTTTTGGGAGTGTGCGCTCATTCAGGACAGCAATAGACCGAGTCTTATGCGAGCTC 1578
 1618 GCTGCTGTGTGTGTCCTCACTGACAGCAGATCACACACAGGCTTGGCAAGTATCTTG 1677
 1579 ACGGCTGTGTGTGTGTCCTCACTGACAGCAGCAGCAGCAGCAGCAGCAGCAGCAGCAG 1638
 1678 CTGACAGAGAAACCGGCTTGGGCTCTTGGGAAAGCGCTTCAACCTTTGCTGGTGTGTT 1737
 1639 CTGACAGAGAGCATGCTGTGGCTCTCTGGGAAACCTTCCAGCCCTGCTTGTGCTG 1698
 1738 GCGCCCAACCGAGTCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1797
 1699 GCTCTACCCAGCTCAGGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1758
 1798 CACCATCATGATGATTCCTGCAAAATGCTTCCAGGAGGCTGAGATCTCCAGTCTCT 1857
 1759 CACCATCATGATGATTCCTGCAAAATGCTTCCAGGAGGCTGAGATCTCCAGTCTCT 1818
 1858 GCAGTGGAAAGATGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1917
 1819 ACATTTGGAAAGCTGATGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1878
 1918 TGTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1977
 1879 TGCCTGGTACGGCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1938
 1978 AAAGTGGTCTATTCGCGGACACCATGCTCCAGGCTGCTGCTGCTGCTGCTGCTGCTGCT 2037
 1939 AAAGTGGTCTATTCGCGGATACCATGCTCCAGGCTGCTGCTGCTGCTGCTGCTGCTGCT 1998
 2038 GCGACCTCTCTGATACATGAGCCACCTGGAAGATGCTTGGAGAGGAGAGAGTGGAA 2097
 1999 GCGACCTCTCTGATACATGAGCCACTCTGAGGATGCTTGGAGAGGAGAGAGTGGAG 2058
 2098 AAGACACACAGCACAACCTCCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2157
 2059 AAGACACACAGCACAACCTCCAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2118
 2158 ATTATGCTGAACCATCTGAGCCAGGCTATGCGAAGTCTCCCTCTCTGAGCCCACTTC 2217
 2119 ATCATGCTGAACCATCTGAGTCAAGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2178
 2218 ACCGAGAAAGTGGAGTGTGCTTTCACCATGAGGCTGCTGCTTGGAGATCTTCCAAACA 2277
 2179 AACGAGAAAGTGGAGTGTGCTTTCACCATGAGGCTGCTGCTTGGAGATCTTCCCGACA 2238
 2278 ATGCCCAAGCTGATTCCTCCCACTGAAGCCCTGTTTGTGCGCATGCTGAGAGATGGAG 2337
 2239 GTGCCCAAGCTGATTCCTCCCACTGAAGCCCTGTTTGTGAGGCTGATTTGAAGAGATGGT 2298

2338 GAGCCAGGAG 2397
 2299 GAACCGCGGAG 2355
 2398 GAGCGCGGCTTGGAGATGCGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 2456
 2356 GAG 2414

RESULT 6
 US-09-833-381-2039
 ; Sequence 2039, Application US/09833381
 ; Patent No. 6672186
 ; GENERAL INFORMATION:
 ; APPLICANT: Robison, Keith E.
 ; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
 ; FILE REFERENCE: 5800-119
 ; CURRENT APPLICATION NUMBER: US/09/833.381
 ; CURRENT FILING DATE: 2001-04-11
 ; PRIOR APPLICATION NUMBER: 09/516,448
 ; PRIOR FILING DATE: 2000-02-29
 ; NUMBER OF SEQ ID NOS: 2050
 ; SOFTWARE: FastSeq for Windows Version 3.0
 ; SEQ ID NO 2039
 ; LENGTH: 783
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: misc_feature
 ; LOCATION: (1)...(783)
 ; OTHER INFORMATION: n = A,T,C or G
 US-09-833-381-2039

Query Match 29.6%; Score 734.8; DB 4; Length 783;
 Best Local Similarity 98.3%; Pred No. 1.3e-190;
 Matches 772; Conservative 0; Mismatches 10; Indels 3; Gaps 3;

91 CGGCGCGCAGAGACCGCTGCGGACCTGCGGACCGCAGAGAGAGAGAGAGAGAGAGAG 150
 1 CGGCGCGCAGAGACCGCTGCGGACCGCTGCGGACCGCAGAGAGAGAGAGAGAGAGAG 60

151 TGCTCGGCGGCGCCAAACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 210
 61 TGCTCGGCGGCGGCGCCAAACACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 119

211 GCGCGCGCGCTCTAGCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 270
 120 GCGCGCGCGCTCTAGCTCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 179

271 GTTCAGAGACTATGCGAG 330
 180 GTTCAGAGACTATGCGAG 239

331 ACACGAATCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 390
 240 ACACGAATCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 299

391 ACCGGCTTCCAAAGTGTGTAATTTTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 450
 300 ACCGGCTTCCAAAGTGTGTAATTTTGGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 359

451 ATCAAAATATTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 510
 360 ATCAAAATATTTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 419

511 CCAGAAATACAGAGATGAACACCATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 570
 420 CCAGAAATACAGAGATGAACACCATGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAGAG 479

571 AGGGGAG 630
 480 AGGGGAG 539

QY 631. CGATCTTCAGACTCCGAG-TGGAATGAAATGAGCCACACCTTCCACATGTTGTTAGCCA 689
Db 540 CGATCTTCAGACTCCGAGTTTGAATGAAATGAGCCACACCTTCCACATGTTGTTAGCCA 599
QY 690 GAGNAGAGGGGTGAGGACTCTTCCCTGCTGCTAGCTTTCATCTGTAAAGTTCACCTAAA 749
Db 600 GAGAAGAGGGGTGAGGACTCTTCCCTGCTGCTAGCTTTCATCTGTAAAGTTCACCTAAA 659
QY 750 GAGAGGAAACTTCTTGTGCTCAAAAGCAAAAGGAGATGGGCTCCAGTTGGGACAGCTGC 809
Db 660 GAGAGGAAACTTCTTGTGCTCAAAAGCAAAAGGAGATGGGCTCCAGTTGGGAACTGC 718
QY 810 CATCGCTCCCATATCTTCTGCTGTCAAGGACGGGAAAGCATCACTCATGAAGAGAGAGA 869
Db 719 CATCNCTCCCATATCTTCTGCTGTCAAGGACGNGNAAACACCCACCATTAAAGGAAAGA 778
QY 870 GATT 874
Db 779 GATT 783
RESULT 7
US-09-833-381-2038
; Sequence 2038, Application US/09833381
; Patent No. 6572186
; GENERAL INFORMATION:
; APPLICANT: Robison, Keith E.
; TITLE OF INVENTION: No. 6672186el Nucleic Acid and Protein Homologs
; FILE REFERENCE: 5800-119
; CURRENT APPLICATION NUMBER: US/09/833,381
; CURRENT FILING DATE: 2001-04-11
; PRIOR APPLICATION NUMBER: 09/516,448
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 2050
; SOFTWARE: Fast-SEQ for Windows Version 3.0
; SEQ ID NO 2038
; LENGTH: 536
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-833-381-2038
Query Match 19.0%; Score 470.4; DB 4; Length 536;
Best Local Similarity 99.8%; Pred. No. 1.5e-118;
Matches 471; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 91 CGGCGGCGCAAGGACCCGCTGCGGACCTGCGGACGCGGAGAGAGCGCGGACCGTCGGGG 150
Db 1 CGGCGGCGCAAGGACCCGCTGCGGACCTGCGGACGCGGAGAGAGCGCGGACCGTCGGGG 60
QY 151 TGCTCCGCGGCGCCCAACACACCGTGTACTGTGAGGTGGTGGCAGCGGTAGCCGGGACTCG 210
Db 61 TGCTCCGCGGCGCCCAACACACCGTGTACTGTGAGGTGGTGGCAGCGGTAGCCGGGACTCG 120
QY 211 GCGCGCGGCTCTACGCTTCTCCGAGTTCAACCGGTATCTTCAACTGTGGAGAGGC 270
Db 121 GCGCGCGGCTCTACGCTTCTCCGAGTTCAACCGGTATCTTCAACTGTGGAGAGGC 180
QY 271 GTTCAGAGACTCATGCAAGGACACAAGTTAAAGTTGCTCGCTGGCAACATATTCCTG 330
Db 181 GTTCAGAGACTCATGCAAGGACACAAGTTAAAGTTGCTCGCTGGCAACATATTCCTG 240
QY 331 ACACGAATGCACTGGTCTAATGTTGGGGCTTAAGTGAATGATTTACTTTAAAGGAA 390
Db 241 ACACGAATGCACTGGTCTAATGTTGGGGCTTAAGTGAATGATTTACTTTAAAGGAA 300
QY 391 ACCGGGCTTCAAGTGTGACTTCTTGGACCTCCCAACTGGAAATACCTCGAGCA 450
Db 301 ACCGGGCTTCAAGTGTGACTTCTTGGACCTCCCAACTGGAAATACCTCGAGCA 360
QY 451 ATCAAAATATTTCTGCTCCATTGAAAGGAATAGAACTGGTGTGCGGCCCACTCTGCC 510
Db 361 ATCAAAATATTTCTGCTCCATTGAAAGGAATAGAACTGGTGTGCGGCCCACTCTGCC 420

QY 511 CCAGAAATACGAGGATGAACCAATGACAGTTTACAGATCCCATACACAGTG 562
Db 421 CCAGAAATACGAGGATGAACCAATGACAGTTTACAGATCCCATACACAGTG 472
RESULT 8
US-09-564-805-210
; Sequence 210, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 210
; LENGTH: 350
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (51)..(293)
US-09-564-805-210
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Best Local Similarity 97.7%; Pred. No. 8.3e-58;
Matches 251; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
QY 1 ATGTGGGCGCTTTGCTCGCTGCTGCGGTGCGGCGCGGACCATGTCGAGGAGCG 60
Db 51 ATGTGGGCGCTTTGCTCGCTGCTGCGGTGCGGCGCGGACCATGTCGAGGAGCG 110
QY 61 ACCATATCGCAGGACCCGCGCGCGAGGCGCGCGCAAGGACCCGCTGCGGACCTG 120
Db 111 ACCATATCGCAGGACCCGCGCGCGAGGCGCGCGCAAGGACCCGCTGCGGACCTG 170
QY 121 CGCAGCGAGAGAGCGGCGGACCGTCTGGGGTCTCCGGGGCCCAACACCGTGTACCTG 180
Db 171 CGCAGCGAGAGAGCGGCGGACCGTCTGGGGTCTCCGGGGCCCAACACCGTGTACCTG 230
QY 181 CAGGTGGTGGCAGCGGTAGCGGGACTCGGGCGCGCGCTCTAGCTCTTCTCCGAGTTC 240
Db 231 CAGGTGGTGGCAGCGGTAGCGGGACTCGGGCGCGCGCTCTAGCTCTTCTCCGAGTTC 290
QY 241 AACCGGTATCTCTTCAA 257
Db 291 AACCGGTACTCAAGCA 307
RESULT 9
US-09-564-805-28
; Sequence 28, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258


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; SEQ ID NO 315
; LENGTH: 238
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-328-111-315

Query Match
Best Local Similarity 100.0%; Pred. No. 4.6e-55; Length 238;
Matches 237; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 176 ACCTGCAAGTGGTGGCAGCGGTAGCCGGGACTCGGCGCGCGGCTTACGTCCTTCCCG 235
DB 1 ACCTGCAAGTGGTGGCAGCGGTAGCCGGGACTCGGCGCGCGGCTTACGTCCTTCCCG 60

QY 236 AGTTCACCGGTATCTTCAACTGGAGAGCGCTTCAGACACTCATGCGAGCACA 295
DB 61 AGTTCACCGGTATCTTCAACTGGAGAGCGCTTCAGACACTCATGCGAGCACA 120

QY 296 AGTTAAAGTGTGCTCGCTCGGCAACAATATCTTGCACCAATGCACTGTCTAAATGTTG 355
DB 121 AGTTAAAGTGTGCTCGCTCGGCAACAATATCTTGCACCAATGCACTGTCTAAATGTTG 180

QY 356 GGGCTTAAGTGAATGATCTTACTTTAAAGAAACCGGGCTTCAAAGTGTGTAC 412
DB 181 GGGCTTAAGTGAATGATCTTACTTTAAAGAAACCGGGCTTCAAAGTGTGTAC 237

RESULT 12
US-09-564-805-27
; Sequence 27, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 27
; LENGTH: 655
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; LOCATION: (1)-(228)
; OTHER INFORMATION: exon 24
; NAME/KEY: polyA_signal
; LOCATION: (636)..(641)
US-09-564-805-27

Query Match
Best Local Similarity 100.0%; Pred. No. 2.3e-52; Length 655;
Matches 228; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2254 GTCTGCTTTGGAGACTTTCCAACTGATCCCAAGTGAATCCCACTGAAAGCCCTGTTT 2313
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QY 2314 GCTGGCAGATCGAGGAGATGAGAGCGGAGAGCGGAGCGGAGCTGCGGAGTCCGG 2373
DB 61 GCTGGCAGATCGAGGAGATGAGAGCGGAGAGCGGAGAGCGGAGCTGCGGAGTCCGG 120

QY 2374 CGCGCCCTCTCTGTCCAGGAGCTGGCAGCGGCTTGGAGATGGGAGCCTCAGCAGAAG 2433

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DB 121 GCGGCCCTCTGTGTCAGGAGCTGGCAGCGGCTGGAGGATGGGAGCTTCAGCAGAAG 180
QY 2434 CCGGCCCAACAGAGAGCCCAAGCCCAAGAGGTTCAGAGCCCAAGTGA 2481
DB 181 CCGGCCCAACAGAGAGCCCAAGCCCAAGAGGTTCAGAGCCCAAGTGA 228

RESULT 13
US-09-564-805-26
; Sequence 26, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 26
; LENGTH: 145
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: misc feature
; LOCATION: (1)-(145)
; OTHER INFORMATION: exon 23
US-09-564-805-26

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Matches 145; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2109 CACAACGTCCTCCAAAGCCATCAGCGTGGGATGGGATGCGGAGTCAACCGGAGTTCATTATCTGAA 2168
DB 1 CACAACGTCCTCCAAAGCCATCAGCGTGGGATGGGATGCGGAGTCAACCGGAGTTCATTATCTGAA 60

QY 2169 CCACCTTCAGCCAGCGCTATGCCAAGTCCCTCTTCAGCCCCCACTTCAGCGGAGAGT 2228
DB 61 CCACCTTCAGCCAGCGCTATGCCAAGTCCCTCTTCAGCCCCCACTTCAGCGGAGAGT 120

QY 2229 GGGAGTTGCTTTGACCATGAAG 2253
DB 121 GGGAGTTGCTTTGACCATGAAG 145

RESULT 14
US-09-564-805-16
; Sequence 16, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05

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; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 139
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(139)
; OTHER INFORMATION: exon 13
US-09-564-805-16

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Best Local Similarity 100.0%; Pred. No. 1.9e-28;
Matches 139; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy 1140 TCGCAGGCCACAAGATTCAAAACCCAGCTCAACCTCATCCACCCGAGCATCTTCCCCCTGCT 1199
Db 61 TCGCAGGCCACAAGATTCAAAACCCAGCTCAACCTCATCCACCCGAGCATCTTCCCCCTGCT 120
Qy 1200 CACCAGTTCCGCTGTAAG 1218
Db 121 CACCAGTTCCGCTGTAAG 139

RESULT 15
US-09-564-805-20
; Sequence 20, Application US/09564805
; Patent No. 6333403
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/564,805
; CURRENT FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 20
; LENGTH: 139
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)-(139)
; OTHER INFORMATION: exon 17
US-09-564-805-20

Query Match 5.6%; Score 139; DB 4; Length 139;
Best Local Similarity 100.0%; Pred. No. 1.9e-28;
Matches 139; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 1 CCCCGACAGCTCTCTGCTACTGAGTGGTGGTGGGAGGACATTTGGGAGCTGTGGCGTCA 60
Qy 1581 TTACGGAGACCAAGTGGACAGGGTCTCGGGCACCTTGGCTGCTGTGTTGTGTCACCACT 1640
Db 61 TTACGGAGACCAAGTGGACAGGGTCTCGGGCACCTTGGCTGCTGTGTTGTGTCACCACT 120

Qy 1641 GCACGCAGATCACCACAG 1659
Db 121 GCACGCAGATCACCACAG 139

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Job time : 178 secs

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OM nucleic - nucleic search, using sw model

Run on: August 10, 2004, 21:01:56 ; Search time 1083 Seconds

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Perfect score: 2481
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Scoring table: IDENTITY_NUC

Gapop 10.0 , Gapext 1.0

Searched: 3222919 seqs, 2451570024 residues 6445838

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Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

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Database : Published Applications NA:

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- 2: /cgn2_6/ptodata/2/pubpna/PCT_NEW_PUB.seq.*
- 3: /cgn2_6/ptodata/2/pubpna/US06_NEW_PUB.seq.*
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- 6: /cgn2_6/ptodata/2/pubpna/PCTUS_PUBCOMB.seq.*
- 7: /cgn2_6/ptodata/2/pubpna/US08_NEW_PUB.seq.*
- 8: /cgn2_6/ptodata/2/pubpna/US08_PUBCOMB.seq.*
- 9: /cgn2_6/ptodata/2/pubpna/US09A_PUBCOMB.seq.*
- 10: /cgn2_6/ptodata/2/pubpna/US09B_PUBCOMB.seq.*
- 11: /cgn2_6/ptodata/2/pubpna/US09C_PUBCOMB.seq.*
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- 13: /cgn2_6/ptodata/2/pubpna/US10A_PUBCOMB.seq.*
- 14: /cgn2_6/ptodata/2/pubpna/US10B_PUBCOMB.seq.*
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- 16: /cgn2_6/ptodata/2/pubpna/US10C_PUBCOMB.seq.*
- 17: /cgn2_6/ptodata/2/pubpna/US10_NEW_PUB.seq.*
- 18: /cgn2_6/ptodata/2/pubpna/US60_NEW_PUB.seq.*
- 19: /cgn2_6/ptodata/2/pubpna/US60_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	2481	100.0	2481	10	US-09-988-687-1
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4	2481	100.0	2958	10	US-09-988-626-3
5	2481	100.0	2958	10	US-09-988-687-3
6	2481	100.0	2958	10	US-09-988-686-3
7	2455.4	99.0	2908	10	US-09-988-626-223
8	2455.4	99.0	2908	10	US-09-988-687-223
9	2455.4	99.0	2908	10	US-09-988-686-223
10	2442.6	98.5	2892	10	US-09-988-626-225
11	2442.6	98.5	2892	10	US-09-988-687-225
12	2442.6	98.5	2892	10	US-09-988-686-225
13	2349	94.7	2907	16	US-10-108-260A-282
14	1645.6	66.3	2470	10	US-09-988-626-221

15	1645.6	66.3	2470	10	US-09-988-687-221	Sequence 221, Appl
16	1645.6	66.3	2470	10	US-09-988-686-221	Sequence 221, Appl
17	734.8	29.6	783	9	US-09-833-381-2039	Sequence 2039, Ap
18	470.4	19.0	536	9	US-09-833-381-2038	Sequence 2038, Ap
19	432.8	17.4	554	10	US-09-918-995-8996	Sequence 8996, Ap
20	247.4	10.0	350	10	US-09-988-626-210	Sequence 210, Appl
21	247.4	10.0	350	10	US-09-988-687-210	Sequence 210, Appl
22	247.4	10.0	350	10	US-09-988-686-210	Sequence 210, Appl
23	247.4	10.0	26664	10	US-09-988-626-28	Sequence 28, Appl
24	247.4	10.0	26664	10	US-09-988-687-28	Sequence 28, Appl
25	247.4	10.0	26664	10	US-09-988-686-28	Sequence 28, Appl
26	245	9.9	295	10	US-09-988-626-4	Sequence 4, Appli
27	245	9.9	295	10	US-09-988-687-4	Sequence 4, Appli
28	237	9.6	238	9	US-09-879-536-315	Sequence 315, Appl
29	237	9.6	238	9	US-09-988-626-27	Sequence 27, Appl
30	228	9.2	655	10	US-09-988-687-27	Sequence 27, Appl
31	228	9.2	655	10	US-09-988-686-27	Sequence 26, Appl
32	228	9.2	655	10	US-09-988-626-26	Sequence 26, Appl
33	145	5.8	145	10	US-09-988-687-26	Sequence 26, Appl
34	145	5.8	145	10	US-09-988-686-26	Sequence 26, Appl
35	145	5.8	145	10	US-09-988-626-16	Sequence 16, Appl
36	139	5.6	139	10	US-09-988-626-20	Sequence 20, Appl
37	139	5.6	139	10	US-09-988-687-20	Sequence 20, Appl
38	139	5.6	139	10	US-09-988-686-20	Sequence 20, Appl
39	139	5.6	139	10	US-09-988-687-20	Sequence 20, Appl
40	139	5.6	139	10	US-09-988-686-20	Sequence 20, Appl
41	121	4.9	121	10	US-09-988-687-24	Sequence 24, Appl
42	121	4.9	121	10	US-09-988-686-24	Sequence 24, Appl
43	121	4.9	121	10	US-09-988-687-24	Sequence 24, Appl
44	121	4.9	121	10	US-09-988-686-24	Sequence 24, Appl
45	120	4.8	120	10	US-09-988-626-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1

US-09-988-626-1 ; Sequence 1, Application US/09988626
; Publication No. US20030044959A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,626
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: Patent in Ver. 2.0
; SEQ ID NO 1
; LENGTH: 2481
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2478)
US-09-988-626-1

Query Match 100.0%; Score 2481; DB 10; Length 2481;
Best Local Similarity 100.0%; Pred. No. 0;
Matches 2481; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ATGTGGCGCTTGTCTGCTGCTCGGCGCGGACGACCATGTCTCGGCGCGC

Db	1	ATGTGGCGCTTTGCTTCGTGCTTCGGTTCGGGGCGGACGACCATGTCTCGAGGAGCGC	60
QY	61	ACCATATCGAGSACACCCCGCCCGCAGCGCCCGCAAGSACCCGCTCGGCGACCTG	120
Db	61	ACCATATCGAGSACACCCCGCCCGCAGCGCCCGCAAGSACCCGCTCGGCGACCTG	120
QY	121	CGCACGCGAGAGAGCGCGSACCGTTCGGGTGCTCGGCGCCGCCAAACACCGTGTACCTG	180
Db	121	CGCACGCGAGAGAGCGCGSACCGTTCGGGTGCTCGGCGCCGCCAAACACCGTGTACCTG	180
QY	181	CAGGTGGTGGCAGCGGTTAGCGGGGACTCGGGCGCCGCGCTCTACGTCTTCTCCAGTTC	240
Db	181	CAGGTGGTGGCAGCGGTTAGCGGGGACTCGGGCGCCGCGCTCTACGTCTTCTCCAGTTC	240
QY	241	AACCGGTATCTCTTCACTGTGGAGAGCGCTTCAGAGCTCATCGAGGACACAAGTTA	300
Db	241	AACCGGTATCTCTTCACTGTGGAGAGCGCTTCAGAGCTCATCGAGGACACAAGTTA	300
QY	301	AAGGTTGCTCGCGTGGACAAATATTTCTTCACCAATGCACTGTGCTTAAGTTGGGGGC	360
Db	301	AAGGTTGCTCGCGTGGACAAATATTTCTTCACCAATGCACTGTGCTTAAGTTGGGGGC	360
QY	361	TTAAGTGGAAATGATTCTTACTTTAAAGSAAACCGGGCTTCCAAAGTGTGTACTTCTCGEA	420
Db	361	TTAAGTGGAAATGATTCTTACTTTAAAGSAAACCGGGCTTCCAAAGTGTGTACTTCTCGEA	420
QY	421	CTCCACAACTGGAAAAATACCTCGAAGCAATCAAAAATATTTTCTGGTCCATTTGAAGGA	480
Db	421	CTCCACAACTGGAAAAATACCTCGAAGCAATCAAAAATATTTTCTGGTCCATTTGAAGGA	480
QY	481	ATPAGAACTGGCTGTGCGGCCCCCACTCTCGCCAGAAATACGAGGATGAAACCATCACAGTT	540
Db	481	ATPAGAACTGGCTGTGCGGCCCCCACTCTCGCCAGAAATACGAGGATGAAACCATCACAGTT	540
QY	541	TACAGATCCCATACACAGTGAACAGAGAGGGGAAAGCACCAACGAGGAGAGTCCA	600
Db	541	TACCAAGTCCCATACACAGTGAACAGAGAGGGGAAAGCACCAACGAGGAGAGTCCA	600
QY	601	GAAAGCCCTCTCAGCAGGCTCAGTCCAGAGCGATCTTTCAGACTCCGAGTCCGAATGAAAT	660
Db	601	GAAAGCCCTCTCAGCAGGCTCAGTCCAGAGCGATCTTTCAGACTCCGAGTCCGAATGAAAT	660
QY	661	GAGCCACACTTCCATGTTGTTAGCCAGAGAGAGGGGTTCAGGACTCTTCCCTGGTC	720
Db	661	GAGCCACACTTCCATGTTGTTAGCCAGAGAGAGGGGTTCAGGACTCTTCCCTGGTC	720
QY	721	GTAGCTTTCACTGTAGCTTCACTTAAAGAGAGGAACTTCTTGGTGTCTCAAGCAAG	780
Db	721	GTAGCTTTCACTGTAGCTTCACTTAAAGAGAGGAACTTCTTGGTGTCTCAAGCAAG	780
QY	781	GAGATGGCCCTCCAGTTGGACAGCTGCCATCGCTCCCATCTGTGTGTCAAGGAC	840
Db	781	GAGATGGCCCTCCAGTTGGACAGCTGCCATCGCTCCCATCTGTGTGTCAAGGAC	840
QY	841	GGGAAAGCATCACTCATGAGGAGAGAGATTTTGGCTGAGAGCTGTGTACTCTCTCCA	900
Db	841	GGGAAAGCATCACTCATGAGGAGAGAGATTTTGGCTGAGAGCTGTGTACTCTCTCCA	900
QY	901	GATCCTGGTGTGCTTTTGTGGTGTAGATGTCCAGATGAAAGCTTCATTCAACCCATC	960
Db	901	GATCCTGGTGTGCTTTTGTGGTGTAGATGTCCAGATGAAAGCTTCATTCAACCCATC	960
QY	961	TGTGAGAAATGCCACTTTTACAGAGTACCAAGGAAAGGCAGATGCCCGGTGGCTTGGT	1020
Db	961	TGTGAGAAATGCCACTTTTACAGAGTACCAAGGAAAGGCAGATGCCCGGTGGCTTGGT	1020
QY	1021	GTTTACATGGCCCCAGCATCTGTCTTGTGGACAGCAGGTACCAAGTGTGATGGAGAGG	1080
Db	1021	GTTTACATGGCCCCAGCATCTGTCTTGTGGACAGCAGGTACCAAGTGTGATGGAGAGG	1080
QY	1081	TTTGGGCTGACACCCAGCACTTGGTCTCGAATGAGAACTGTCCCTCAGTTTCAACCTT	1140

1081	DB	TTTGGGCTGTACACCCAGCACTTGGTCTGTAATGAGAACTGTGCCTCAGTTTCAACACTT	1141
1141	QY	CGCAGCCACAAGATTCAAACCCAGCTCAACTCATCCACCGGACATCTTCCCCCTGTCTC	1201
1141	DB	CGCAGCCACAAGATTCAAACCCAGCTCAACTCATCCACCGGACATCTTCCCCCTGTCTC	1200
1201	QY	ACCAGTTTCGCTGTAAAGAGGAGGGCCCCACCTCAGTGTGCCATGTGTTCCAGSGTGAA	1260
1201	DB	ACCAGTTTCGCTGTAAAGAGGAGGGCCCCACCTCAGTGTGCCATGTGTTCCAGSGTGAA	1260
1261	QY	TGCCTCTCAAGTACAGCTCCGTCGCAGAGGAGTGGCAGAGGATGCCATATTACT	1320
1261	DB	TGCCTCTCAAGTACAGCTCCGTCGCAGAGGAGTGGCAGAGGATGCCATATTACT	1320
1321	QY	TGCAATCCTGAGGAATTATAGTTGAGGCGCTGCAGCTTCCCAACTTCCAGCAGACGCTG	1380
1321	DB	TGCAATCCTGAGGAATTATAGTTGAGGCGCTGCAGCTTCCCAACTTCCAGCAGACGCTG	1380
1381	QY	CAGGAGTACAGGAGGAGTGCAGAGCGGCCAGCCCCAGCAGAGAGTCAAGTAC	1440
1381	DB	CAGGAGTACAGGAGGAGTGCAGAGCGGCCAGCCCCAGCAGAGAGTCAAGTAC	1440
1441	QY	CCGAAATCATCTTCTTGGAAACAGGCTGTCCATCCCGATGAAGATTCCGAATGTCACT	1500
1441	DB	CCGAAATCATCTTCTTGGAAACAGGCTGTCCATCCCGATGAAGATTCCGAATGTCACT	1500
1501	QY	GCACACTTGTCAACATAAGCCCCGACAGTCTCTCTACTTGGACTTGGTAGGGCACA	1560
1501	DB	GCACACTTGTCAACATAAGCCCCGACAGTCTCTCTACTTGGACTTGGTAGGGCACA	1560
1561	QY	TTTGGGAGCTGTGCGTCAATTACGAGAGCCAGGTGTGACAGGCTCTCGGACCCCTGGCT	1620
1561	DB	TTTGGGAGCTGTGCGTCAATTACGAGAGCCAGGTGTGACAGGCTCTCGGACCCCTGGCT	1620
1621	QY	GCTGTGTTTGTGCCACTGTCCAGCAGATCAACACACCGGGCTTGCAGATCTTGTGTG	1680
1621	DB	GCTGTGTTTGTGCCACTGTCCAGCAGATCAACACACCGGGCTTGCAGATCTTGTGTG	1680
1681	QY	CAGAGAAACGCGCTTGGCATCTTTGGAAAGCCGCTTCAACCTTGTCTGTGTGTGCTGC	1740
1681	DB	CAGAGAAACGCGCTTGGCATCTTTGGAAAGCCGCTTCAACCTTGTCTGTGTGTGCTGC	1740
1741	QY	CCCAACAGCTCAAGCCCTGGCTCCAGCAGTACCAACACCACTGCCAGAGGTCTCTGCAC	1800
1741	DB	CCCAACAGCTCAAGCCCTGGCTCCAGCAGTACCAACACCACTGCCAGAGGTCTCTGCAC	1800
1801	QY	CACATCAGTATGATTCTTGCAGAAATGCTTTACGAAAGGGCTGAGATCTCCAGTCCCTGCA	1860
1801	DB	CACATCAGTATGATTCTTGCAGAAATGCTTTACGAAAGGGCTGAGATCTCCAGTCCCTGCA	1860
1861	QY	GTGGAAGATTGATCAGTTTCGCTGTGCGAAATGTGATTTTGGAAAGTTCAGACCTGT	1920
1861	DB	GTGGAAGATTGATCAGTTTCGCTGTGCGAAATGTGATTTTGGAAAGTTCAGACCTGT	1920
1921	QY	CTGGTCGGCAGCTGACAGCATGCGTTTGGCTGTGCGTGTGTGCAACCTCTGGGTGGAAA	1980
1921	DB	CTGGTCGGCAGCTGACAGCATGCGTTTGGCTGTGCGTGTGTGCAACCTCTGGGTGGAAA	1980
1981	QY	GTGGTCTATTTCGGGGACACCATGCGCTGCAGAGCTGTGTCGGATGGGAAAGATGCC	2040
1981	DB	GTGGTCTATTTCGGGGACACCATGCGCTGCAGAGCTGTGTCGGATGGGAAAGATGCC	2040
2041	QY	ACCTCTCTGATACATGAAGCCACCTTGAAGATGTTTGGAAAGGAAAGCAGTGGAAAAG	2100
2041	DB	ACCTCTCTGATACATGAAGCCACCTTGAAGATGTTTGGAAAGGAAAGCAGTGGAAAAG	2100
2101	QY	ACACACAGCACAACTGCCAAGCCATCAGCGTGGGATGCGGATCAGCGCGGTTCATT	2160
2101	DB	ACACACAGCACAACTGCCAAGCCATCAGCGTGGGATGCGGATCAGCGCGGTTCATT	2160
2161	QY	ATGCTGAACCACTTCAGCCAGCGCTATGCCAAGTCTCCCTCTTCAGCCCCCACTTCAGC	2220
2161	DB	ATGCTGAACCACTTCAGCCAGCGCTATGCCAAGTCTCCCTCTTCAGCCCCCACTTCAGC	2220

Db 421 CTTCCACAACTGGAATAATACCTCGAAGCAATCAAAATATTTCTGGTCCATTTGAAGGA 480
Qy 481 ATAGAACTGGCTGTGCGGCCCACTCTCTGCCCCAGAAATACGAGATGAAGAACCACTGACAGTT 540
Db 481 ATAGAACTGGCTGTGCGGCCCACTCTCTGCCCCAGAAATACGAGATGAAGAACCACTGACAGTT 540
Qy 541 TACAGATCCCATACACAGTGAAACAGAGAGGAGGAAAGCAACCAATGGCAGAGTCCA 600
Db 541 TACCAAGATCCCATACACAGTGAAACAGAGAGGAGGAAAGCAACCAATGGCAGAGTCCA 600
Qy 601 GAAAGCCCTCTCAGCAGGCTCAGTCCAGAGCAGTCTCAGAGCTCCGAGTCCGAATGAAAT 660
Db 601 GAAAGCCCTCTCAGCAGGCTCAGTCCAGAGCAGTCTCAGAGCTCCGAGTCCGAATGAAAT 660
Qy 661 GAGCACAACCTTCCACATGTTTAGCCAGAGAGAGGAGGAGTCCAGGATCTCTCCCTGGTC 720
Db 661 GAGCACAACCTTCCACATGTTTAGCCAGAGAGAGGAGGAGTCCAGGATCTCTCCCTGGTC 720
Qy 721 GTAGCTTTTCATCTGTAAAGCTTCACCTTAAAGAGAGGAACTCTTGGTCTCAAGCAAAG 780
Db 721 GTAGCTTTTCATCTGTAAAGCTTCACCTTAAAGAGAGGAACTCTTGGTCTCAAGCAAAG 780
Qy 781 GAGATGGGCTCCCACTGTTGGGACAGCTGCGATCGCTCCCATCTTGTCTGTCAAGGAC 840
Db 781 GAGATGGGCTCCCACTGTTGGGACAGCTGCGATCGCTCCCATCTTGTCTGTCAAGGAC 840
Qy 841 GGGAAAGCATCACTCATGAAGGAAGAGATTTGGCTGAAGAGCTGTACTCTCTCCA 900
Db 841 GGGAAAGCATCACTCATGAAGGAAGAGATTTGGCTGAAGAGCTGTACTCTCTCCA 900
Qy 901 GATCTGGTGTCTCTTGTGGTGTAGAAATCCAGATGAAGCTTCATTCAACCCATC 960
Db 901 GATCTGGTGTCTCTTGTGGTGTAGAAATCCAGATGAAGCTTCATTCAACCCATC 960
Qy 961 TGTGAATGCCACTTTTCAGAGTACCAAGAAAGGAGATGCCCCCGTGGCTGTGTG 1020
Db 961 TGTGAATGCCACTTTTCAGAGTACCAAGAAAGGAGATGCCCCCGTGGCTGTGTG 1020
Qy 1021 GTTCATATGGCCCCAGCATCTGTGCTGTGGACAGAGTACCAAGAGTGGAGAGG 1080
Db 1021 GTTCATATGGCCCCAGCATCTGTGCTGTGGACAGAGTACCAAGAGTGGAGAGG 1080
Qy 1081 TTTGGGCTGTACACCCAGCACTTGTCTCTGAATGAGAACTGTGCTCAGTTTCAACACCTT 1140
Db 1081 TTTGGGCTGTACACCCAGCACTTGTCTCTGAATGAGAACTGTGCTCAGTTTCAACACCTT 1140
Qy 1141 CGCAGCCACAGATTCAAACCCAGCTCAACCTCACCAGGAGATCTTCCCTGTCTC 1200
Db 1141 CGCAGCCACAGATTCAAACCCAGCTCAACCTCACCAGGAGATCTTCCCTGTCTC 1200
Qy 1201 ACCAGTTTCCGCTGTAAAGAGAGGAGGCCCCACCTTCAGTGTGCCATGGTTCAAGGTA 1260
Db 1201 ACCAGTTTCCGCTGTAAAGAGAGGAGGCCCCACCTTCAGTGTGCCATGGTTCAAGGTA 1260
Qy 1261 TGCCTCTCAAGTACACAGCTCCGTCCAGAGGAGTGGCAGAGGATGCCATTTACT 1320
Db 1261 TGCCTCTCAAGTACACAGCTCCGTCCAGAGGAGTGGCAGAGGATGCCATTTACT 1320
Qy 1321 TGCATCTCAGGAATTCATAGTTTCCAGGCTGTGAGCTTCCCACTTCCAGCAGAGG 1380
Db 1321 TGCATCTCAGGAATTCATAGTTTCCAGGCTGTGAGCTTCCCACTTCCAGCAGAGG 1380
Qy 1381 CAGGAGTACAGGAGTGGCAGAGCGGCCAGCCAGAGGAGGAGGAGGAGTCAAGTAC 1440
Db 1381 CAGGAGTACAGGAGTGGCAGAGCGGCCAGCCAGAGGAGGAGGAGTCAAGTAC 1440
Qy 1441 CCAGAAATCATCTTCTTGGACAGGCTGTGCTCCATCCCGATCGAATTCGAATGTCAGT 1500
Db 1441 CCAGAAATCATCTTCTTGGACAGGCTGTGCTCCATCCCGATCGAATTCGAATGTCAGT 1500
Qy 1501 GCCACATTTGTCAACATAAGCCCCACACGCTCTGTGCTACTGAGTGTGGTGAGGACACA 1560

RESULT 4

US-09-988-626-3

; Sequence 3, Application US/09988626

; Publication No. US2003004495A1

; GENERAL INFORMATION:

; APPLICANT: Tavtligian, Sean V.

Db 1501 GCCACACTTCTCAACATAAGCCCGCAGACGCTCTCTGCTACTGACATGTGTGTGAGGGCACA 1560
Qy 1561 TTTGGGCAGCTGTGCGCTCATTTACGGAGACCAAGGTGACAGGGTCTCTGGGCACACCTGGCT 1620
Db 1561 TTTGGGCAGCTGTGCGCTCATTTACGGAGACCAAGGTGACAGGGTCTCTGGGCACACCTGGCT 1620
Qy 1521 GCTGTGTTTGTGTCACACCTGACGAGATCACACACGGGCTTCCAGATATCTTGCTG 1680
Db 1521 GCTGTGTTTGTGTCACACCTGACGAGATCACACACGGGCTTCCAGATATCTTGCTG 1680
Qy 1681 CAGAGAGAACCGCTTGGCATCTTTGGGAAAGCGCTTCACTCTTGTGCTGGTGTGCC 1740
Db 1681 CAGAGAGAACCGCTTGGCATCTTTGGGAAAGCGCTTCACTCTTGTGCTGGTGTGCC 1740
Qy 1741 CCCAACCCAGCTCAAAAGCTTGGCTCCAGAGTACCAACCAAGTCCAGGAGTCTCTGCAC 1800
Db 1741 CCCAACCCAGCTCAAAAGCTTGGCTCCAGAGTACCAACCAAGTCCAGGAGTCTCTGCAC 1800
Qy 1801 CACATCAGTATGATTCCTGCGCAATGCTTTCAGAAAGGGCTGAGATCTCCAGTCTCTGCA 1860
Db 1801 CACATCAGTATGATTCCTGCGCAATGCTTTCAGAAAGGGCTGAGATCTCCAGTCTCTGCA 1860
Qy 1961 GTGAAAGATTGATCAGTTCGCTGTTGCGAAACATGTGATTTGGAAGAGTTTCAGACCTGT 1920
Db 1961 GTGAAAGATTGATCAGTTCGCTGTTGCGAAACATGTGATTTGGAAGAGTTTCAGACCTGT 1920
Qy 1921 CTGGTGGGCACCTGCAAGCATGCTTGGCTGTGCGCTGGTGCACACCTCTGGCTGGAA 1980
Db 1921 CTGGTGGGCACCTGCAAGCATGCTTGGCTGTGCGCTGGTGCACACCTCTGGCTGGAA 1980
Qy 1981 GTGGTCTATTTCGGGGACACCATGCGCTGCGAGGCTCTGGTCCGATGGGGAAAGATGCC 2040
Db 1981 GTGGTCTATTTCGGGGACACCATGCGCTGCGAGGCTCTGGTCCGATGGGGAAAGATGCC 2040
Qy 2041 ACCCTCTGATATACATGAAGCCACCTTGGAAAGATGTTTGGAAAGAGAGCAGTGGAAAG 2100
Db 2041 ACCCTCTGATATACATGAAGCCACCTTGGAAAGATGTTTGGAAAGAGAGCAGTGGAAAG 2100
Qy 2101 ACACACAGCACAACTGCCAAAGCATCAGCGTGGGATGGGATGAACGCGGAGTTTCATT 2160
Db 2101 ACACACAGCACAACTGCCAAAGCATCAGCGTGGGATGGGATGAACGCGGAGTTTCATT 2160
Qy 2161 ATGCTGAACCACTTCAGCCAGCCTATGCAAGGTCCCCCTCTTCAGCCCCCACTTCAGC 2220
Db 2161 ATGCTGAACCACTTCAGCCAGCCTATGCAAGGTCCCCCTCTTCAGCCCCCACTTCAGC 2220
Qy 2221 GAGAAAGTGGAGTTCCTTTGACCATGAGGTCTGCTTTGGAGACTTTTCCAACAATG 2280
Db 2221 GAGAAAGTGGAGTTCCTTTGACCATGAGGTCTGCTTTGGAGACTTTTCCAACAATG 2280
Qy 2281 CCCAAGCTGATTTCCCACTGAAAGCCCTGTTTGTGGGACATCAGGAGATGGAGGAG 2340
Db 2281 CCCAAGCTGATTTCCCACTGAAAGCCCTGTTTGTGGGACATCAGGAGATGGAGGAG 2340
Qy 2341 CGCAGGAGAGGCGGAGCTGCGGAGGTGCGGGGGGCGCTCTCTGTCAGGAGAGTGGCA 2400
Db 2341 CGCAGGAGAGGCGGAGCTGCGGAGGTGCGGGGGGCGCTCTCTGTCAGGAGAGTGGCA 2400
Qy 2401 GGGGCTCTGAGGATGGGAGCTCAGCAGAGCGGCGCCACACAGAGAGCCACAGGCC 2460
Db 2401 GGGGCTCTGAGGATGGGAGCTCAGCAGAGCGGCGCCACACAGAGAGCCACAGGCC 2460
Qy 2461 AAGAGTTCAGAGCCAGTGA 2481
Db 2461 AAGAGTTCAGAGCCAGTGA 2481

Query Match									
Best Local Similarity 100.0%; Score 2481; DB 10; Length 2958;									
Matches 2481; Conservative 0; Mismatches 0; Indels 0; Gaps 0;									
Qy	1	ATGTGGCGCTTGTCTCGCTGCTGCGGTCCGGGCGGAGCGACGACATGTGCGAGGAGCG	60						
Db	51	ATGTGGCGCTTGTCTCGCTGCTGCGGTCCGGGCGGAGCGACGACATGTGCGAGGAGCG	110						
Qy	61	ACCATATCGAGGACCGCGCGGAGCGGCGGAGCGGCGGAGCGGCGGAGCGGCGGAGCG	120						
Db	111	ACCATATCGAGGACCGCGCGGAGCGGCGGAGCGGCGGAGCGGCGGAGCGGCGGAGCG	170						
Qy	121	CGCAGCGGAGAGAGCGGAGCGGCGGAGCGGCGGAGCGGCGGAGCGGCGGAGCGGCG	180						
Db	171	CGCAGCGGAGAGAGCGGAGCGGCGGAGCGGCGGAGCGGCGGAGCGGCGGAGCGGCG	230						
Qy	181	CAGTGTGTGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAG	240						
Db	231	CAGTGTGTGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAG	290						
Qy	241	AACCGGTATCTCTTCAACTGTGAGAGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGG	300						
Db	291	AACCGGTATCTCTTCAACTGTGAGAGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGG	350						
Qy	301	AAGTGTGTGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCG	360						
Db	351	AAGTGTGTGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCG	410						
Qy	361	TAAAGTGAATGATCTTCTTAAAGGAGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCG	420						
Db	411	TAAAGTGAATGATCTTCTTAAAGGAGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCG	470						
Qy	421	CCTCACAACCTGGAAGAAATACCTCGAAGCAATCAAAATATTTTCTGTGCTCAATGAA	480						
Db	471	CCTCACAACCTGGAAGAAATACCTCGAAGCAATCAAAATATTTTCTGTGCTCAATGAA	530						
Qy	481	ATAGAACTGTGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAG	540						
Db	531	ATAGAACTGTGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAGCGGAG	590						
Qy	541	TACAGATCCCAATACACAGTGAACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	600						
Db	591	TACAGATCCCAATACACAGTGAACAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG	650						
Qy	601	GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTCAGACTCCGAGTCCGATGAAAT	660						
Db	651	GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTCAGACTCCGAGTCCGATGAAAT	710						
Qy	661	GAGCCACACCTTCCACATGGTGTAGCCAGAGAGAGGAGGAGGAGGAGGAGGAGGAG	720						
Db	711	GAGCCACACCTTCCACATGGTGTAGCCAGAGAGAGGAGGAGGAGGAGGAGGAGGAG	770						
Qy	721	GTAGCTTTTATCTGTAAGCTTCACTTAAAGAGAGGAGGAGGAGGAGGAGGAGGAGG	780						
Db	771	GTAGCTTTTATCTGTAAGCTTCACTTAAAGAGAGGAGGAGGAGGAGGAGGAGGAGG	830						
Qy	781	GAGATGGGCTCCAGTGGGAGCGTCCATCGCTCCCATCATCTGCTGCTGCAAGGAC	840						
Db	831	GAGATGGGCTCCAGTGGGAGCGTCCATCGCTCCCATCATCTGCTGCTGCAAGGAC	890						
Qy	841	GGGAAAAGCATCACTCATGAAGGAGAGAGATTTTGGGTGAGAGAGCTGTGACTCCTCA	900						
Db	891	GGGAAAAGCATCACTCATGAAGGAGAGAGATTTTGGGTGAGAGAGCTGTGACTCCTCA	950						
Qy	901	GATCTGTGTGCTTTTGT	960						
Db	951	GATCTGTGTGCTTTTGT	1010						
Qy	961	TGTGAGATGCCACCTTTTGTGAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1020						
Db	1011	TGTGAGATGCCACCTTTTGTGAGGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1070						
Qy	1021	GTTCATGTGGGCGGCGGAGCGATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1080						
Db	1071	GTTCATGTGGGCGGCGGAGCGATCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1130						
Qy	1081	TTTGGGCTGTGACACCGGAGCTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1140						
Db	1131	TTTGGGCTGTGACACCGGAGCTTTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1190						
Qy	1141	CGCAGCGCAAGATTTCAACCCAGCTCAACCTCATCTCCACCGGAGCATCTTCCCTGCTC	1200						
Db	1191	CGCAGCGCAAGATTTCAACCCAGCTCAACCTCATCTCCACCGGAGCATCTTCCCTGCTC	1250						
Qy	1201	ACAGTTTCCGCTGTGAAGAGGAGGCGCCACCTTCAGTGTGCCCATGTGTTCAGGTGAA	1260						
Db	1251	ACAGTTTCCGCTGTGAAGAGGAGGCGCCACCTTCAGTGTGCCCATGTGTTCAGGTGAA	1310						
Qy	1261	TGCTTCTTCAAGTACAGCTCCGCTCCAGGAGGAGTGGCAGAGGATGCTCCATTTACT	1320						
Db	1311	TGCTTCTTCAAGTACAGCTCCGCTCCAGGAGGAGTGGCAGAGGATGCTCCATTTACT	1370						
Qy	1321	TGCAATCTTGAGGAAATTCATAGTTGAGGCGCTGACGCTTCCCAACTTCAGCAGAGCGTG	1380						
Db	1371	TGCAATCTTGAGGAAATTCATAGTTGAGGCGCTGACGCTTCCCAACTTCAGCAGAGCGTG	1430						
Qy	1381	CAGGATTCAGGAGGAGTGGCAGGACGCGCCAGCCAGCAGAGAGAGAGAGAGTCACTAC	1440						
Db	1431	CAGGATTCAGGAGGAGTGGCAGGACGCGCCAGCCAGCAGAGAGAGAGAGTCACTAC	1490						
Qy	1441	CCAGAAATCATCTTCTTGGAAACAGGCTGCGCATCCCGATGGAATTCGAAATGTCAGT	1500						
Db	1491	CCAGAAATCATCTTCTTGGAAACAGGCTGCGCATCCCGATGGAATTCGAAATGTCAGT	1550						
Qy	1501	GCACACTTGTCAACATAAGCCCGACAGCTCTGTCTACTGTGTGTGTGTGTGTGTGTGT	1560						
Db	1551	GCACACTTGTCAACATAAGCCCGACAGCTCTGTCTACTGTGTGTGTGTGTGTGTGTGT	1610						
Qy	1561	TTTGGCAGCTGTGCGCTCATTCAGGAGACAGGCTGGACAGGCTCTGGGACCCCTGGCT	1620						
Db	1611	TTTGGCAGCTGTGCGCTCATTCAGGAGACAGGCTGGACAGGCTCTGGGACCCCTGGCT	1670						
Qy	1621	GCTGT	1680						
Db	1671	GCTGT	1730						
Qy	1681	CAGAGAGAACGCGCTTGGCATCTTTGGGAAAGCGCTTCACTTGTGTGTGTGTGTGTGT	1740						
Db	1731	CAGAGAGAACGCGCTTGGCATCTTTGGGAAAGCGCTTCACTTGTGTGTGTGTGTGTGT	1790						
Qy	1741	CCCAACAGCTCAAGCGCTGGCTCCAGCAGTACCAACACAGTGCAGAGGCTCCTGCAC	1800						
Db	1791	CCCAACAGCTCAAGCGCTGGCTCCAGCAGTACCAACACAGTGCAGAGGCTCCTGCAC	1850						
Qy	1801	CACATCAGTATGATTCCTGCCAATGCTTTCAGGAAAGGCGCTGAGATCTCCAGTCCCTGCA	1860						
Db	1851	CACATCAGTATGATTCCTGCCAATGCTTTCAGGAAAGGCGCTGAGATCTCCAGTCCCTGCA	1910						
Qy	1861	GTGGAAGAGTGTATCAGTTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1920						
Db	1911	GTGGAAGAGTGTATCAGTTGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1970						
Qy	1921	CTGTGTGGGCACTGCAAGCATGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	1980						
Db	1971	CTGTGTGGGCACTGCAAGCATGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	2030						
Qy	1981	GTGTGTCTATTTCCGGGAGACCATGCTCCCTGCGAGGCTCTGTGTGTGTGTGTGTGTGT	2040						
Db	2031	GTGTGTCTATTTCCGGGAGACCATGCTCCCTGCGAGGCTCTGTGTGTGTGTGTGTGTGT	2090						
Qy	2041	ACCTCTCTGTATATGAGCCACCTTGGAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	2100						
Db	2091	ACCTCTCTGTATATGAGCCACCTTGGAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT	2150						
Qy	2101	ACACACAGCACACGTCCTCCCAAGCCATCAGCGGTGGGATGCGGATGAAACGCGGAGTTCA	2160						

1201	ACACAGTTTCCCTGTGAAGAGGAGGGCCCAACCTCAGTGTGCCCCATTGTTCAGGGTGA	1260
QY	TGCTCTCAAGTACCAGCTCCGTCCAGAGGAGGTGGCAGAGGATGCCATTATTACT	1320
DB	TGCTCTCAAGTACCAGCTCCGTCCAGAGGAGGTGGCAGAGGATGCCATTATTACT	1320
QY	TGCNATCCTGAGGNAITTCATAGTTGAGGCGCTGCAGCTTCCCAATCTTCCAGCAGAGCGTG	1380
DB	TGCNATCCTGAGGNAITTCATAGTTGAGGCGCTGCAGCTTCCCAATCTTCCAGCAGAGCGTG	1380
QY	CAGGAGTACAGGAGGAGTGCGCAGGACGGCCACAGCCCCAGCAGAGAAAAGTCAGTAC	1440
DB	CAGGAGTACAGGAGGAGTGCGCAGGACGGCCACAGCCCCAGCAGAGAAAAGTCAGTAC	1440
QY	CCGAAATCATCTTCTTGTGAA CAGGGTCTGCGCATCCCGATGNAAGATTCGAATGTCAGT	1500
DB	CCGAAATCATCTTCTTGTGAA CAGGGTCTGCGCATCCCGATGNAAGATTCGAATGTCAGT	1500
QY	GCCACACTTGTCAACATAAGCCCCGACACAGTCTCTGCTACTGGACTGTGTGAGGCGACA	1560
DB	GCCACACTTGTCAACATAAGCCCCGACACAGTCTCTGCTACTGGACTGTGTGAGGCGACG	1560
QY	TTTGGGAGCTGTGCCGTTCATTACGAGACA CAGGTGGA CAGGGTCTCTGGGACACCTTGGCT	1620
DB	TTTGGGAGCTGTGCCGTTCATTACGAGAGATCAGGTGGA CAGGGTCTCTGGGACACCTTGGCT	1620
QY	GCTGTGTTGTGTCGACCTTGCGCAGCAGATCACACACGGGCTTGCACAGTATCTTGTCTG	1680
DB	GCTGTGTTGTGTCGACCTTGCGCAGCAGATCACACACGGGCTTGTAAATATCTTGTCTG	1680
QY	CAGAGAAACGGCGCTTTGGCATCTTTGGGAAAGCGCTTCCACCTTTGTCTGTGGTTGCC	1740
DB	CAGAGAAACGAGCTTTGGCATCTTTGGGAAAGCGCTTCCACCTTTGTCTGTGGTTGCC	1740
QY	CCCAACGAGCTCAAAGCTGGCTCCAGAGTACCACAAACGAGTCCAGAGGTCCTTGCAC	1800
DB	CCCAACGAGCTCAAAGCTGGCTCCAGAGTACCACAAACGAGTCCAGAGGTCCTTGCAC	1800
QY	CACATCAGTATGATTCCTGCGAAATGCTTCAGGAAGGGCTGAGATCTCCAGTCTCTGCA	1860
DB	CACATCAGTATGATTCCTGCGAAATGCTTCAGGAAGGGCTGAGATCTCCAGTCTCTGCA	1860
QY	GTGAAAGATTGATCAGTTGCTGCTGTTCGGAACATGTGATTTGGNAGGTTTCAGACCTGT	1920
DB	GTGAAAGATTGATCAGTTGCTGCTGTTCGGAACATGTGATTTGGNAGGTTTCAGACCTGT	1920
QY	CTGTGCGGCATCTCAAGCATGCGTTTGGCTGTGCGCTGGTGACACCTCTGCTCGAAA	1980
DB	CTGTGCGGCATCTCAAGCATGCGTTTGGCTGTGCGCTGGTGACACCTCTGCTCGAAA	1980
QY	GTGTTCTATTCCGGGACACCATGCCCTCGCAGGCTCTGTTCGGATTGGGAAAAGATGCC	2040
DB	GTGTTCTATTCCGGGACACCATGCCCTCGCAGGCTCTGTTCGGATTGGGAAAAGATGCC	2040
QY	ACCTCTCTGATACATGAGCCACCTCGNAGATCGTTTGGNAGGAGGACAGTGGGAAAAG	2100
DB	ACCTCTCTGATACATGAGCCACCTCGNAGATCGTTTGGNAGGAGGACAGTGGGAAAAG	2100
QY	ACACACACACAAAGTCCCAAGCCATCAGCGTGGGGATGGCGATGAACGCGGAGTTCAIT	2160
DB	ACACACACACAAAGTCCCAAGCCATCAGCGTGGGGATGGCGATGAACGCGGAGTTCAIT	2160
QY	ATGCTGAACCACTTCAGCCAGGCTATGCAAGGTCCCTCTTTCAGCCCCCACTTCAGC	2220
DB	ATGCTGAACCACTTCAGCCAGGCTATGCAAGGTCCCTCTTTCAGCCCCCACTTCCAAC	2220
QY	GAGAAAGTGGAGTTGCCCTTTGACCAATGAAGTCTGCTTTGGAGACTTTCACAAATG	2280
DB	GAGAAAGTGGAGTTGCCCTTTGACCAATGAAGTCTGCTTTGGAGACTTTCGAACAATG	2280
QY	CCCAAGCTGATTCGCCACTGAAAGCCCTGTTTGTCTGCGCATCTGAGGAGATGAGGAG	2340
DB	CCCAAGCTGATTCGCCACTGAAAGCCCTGTTTGTGCGCATCTGAGGAGATGAGGAG	2340

Qy	2341	CGCAGGAGAAAGCGGGAGCTGCGCGCAGGTGCGGGCGCGCCCTCTGTGTCCAGGGAGCTGGCA	2400
Db	2341	CGCAGGAGAAAGCGGGAGCTGCGCGCAGGTGCGGGCGCGCCCTCTGTGTCCAGGGAGCTGGCA	2400
Qy	2401	GGCGGCTTGAGAGTAGGGAGCCTCAGCAAAAGCGGGGCCCAACAGAGAGGCCACAGGCC	2450
Db	2401	GGCGGCTTGAGAGTAGGGAGCCTCAGCAAAAGCGGGGCCCAACAGAGAGGCCACAGGCC	2450
Qy	2461	AAGAAGGTCAAGGCCCAAGTGA	2481
Db	2461	AAGAAGGTCAAGGCCCAAGTGA	2481

RESULT 8
 US-09-988-687-223
 ; Sequence 223, Application US/09988687
 ; Publication No. US20030045704A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavtigian, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; APPLICANT: Myriad Genetics, Inc.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
 ; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
 ; FILE REFERENCE: 2318-258
 ; CURRENT APPLICATION NUMBER: US/09988,687
 ; CURRENT FILING DATE: 2001-11-20
 ; PRIOR APPLICATION NUMBER: 09/564,805
 ; PRIOR FILING DATE: 2000-05-05
 ; PRIOR APPLICATION NUMBER: US 60/107,458
 ; PRIOR FILING DATE: 1998-11-06
 ; PRIOR APPLICATION NUMBER: 09/434,382
 ; PRIOR FILING DATE: 1999-11-05
 ; NUMBER OF SEQ ID NOS: 240
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 223
 ; LENGTH: 2908
 ; TYPE: DNA
 ; ORGANISM: Pan troglodytes
 ; FEATURE:
 ; NAME/KEY: CDS
 ; LOCATION: (1)..(2478)
 US-09-988-687-223

Query Match	99.0%;	Score 2455.4;	DB 10;	Length 2908;
Best Local Similarity	99.4%;	Pred. No. 0;		
Matches 2465;	Conservative 0;	Mismatches 16;	Indels 0;	Gaps 0
QY	1	ATGTGGGGCGCTTCTCGTCTGCTGCTGCGTGGCGCGGACGACCATGTGCGAGGAGCGC	60	
DB	1	ATGTGGGGCGCTTGTCTGCTGCTGCTGCGTGGCGCGGACGACCATGTGCGAGGAGCGC	60	
QY	61	ACCATATCGCAGGACACCGCCGCGGAGCGGCGCGCAAGGACCCGCTCGGCACCTG	120	
DB	61	ACCATATCGCAGGACACCGCCGCGGAGCGGCGCGCAAGGACCCGCTCGGCACCTG	120	
QY	121	CGACGCGAGAGAACGCGGACCGTTCGGGGTGCTTCGGCGGCGCCAAACACCGTGTACCTG	180	
DB	121	CGACGCGAGAGAACGCGGACCGTTCGGGGTGCTTCGGCGGCGCCAAACACCGTGTACCTG	180	
QY	181	CAGGTGCTGGCAGCGGGTAGCGGGACATCGGCGCGCGCGCTCTACGCTCTTCTCCAGTTC	240	
DB	181	CAGGTGCTGGCAGCGGGTAGCGGGACATCGGCGCGCGCGCTCTACGCTCTTCTCCAGTTC	240	
QY	241	AACCGGTATCTCTTCAACTGTGGAGAAAGCGCTTCAGAGACTCATGCGAGGACACAAGTTA	300	
DB	241	AACCGGTATCTCTTCAACTGTGGAGAAAGCATTCAGAGACTCATGCGAGGACACAAGTTA	300	
QY	301	AAGGTTGCTCGCGCTGGACAAACATATCTCTGACAGCAATGCACTGGTCTAAATGTTGGGGGC	360	
DB	301	AAGGTTGCTCGCGCTGGACAAACATATCTCTGACAGCAATGCACTGGTCTAAATGTTGGGGGC	360	

QY 361 TTAAGTGGGAATGATTTCTTACTTTAAAGGAAACCGGGCTTCAAAGTGTGTACTTTCTGGA 420
DB 361 TTAAGTGGGAATGATTTCTTACTTTAAAGGAAACCGGGCTTCAAAGTGTGTACTTTCTGGA 420
QY 421 CTTCCACAACTTGGAAAAATACCTCGAAGCAATCAAAATATTTTCTGGTCCATTGAAGGA 480
DB 421 CTTCCACAACTTGGAAAAATACCTCGAAGCAATCAAAATATTTTCTGGTCCATTGAAGGA 480
QY 481 ATAGAATCTGGCTGTGGGCCCCACTCTGCCCCAGAAATACGAGGATGAAACCATGACAGTT 540
DB 481 ATAGAATCTGGCTGTGGGCCCCACTCTGCCCCAGAAATACGAGGATGAAACCATGACAGTT 540
QY 541 TACAGATCCCCATACACAGTGAAACAGAGAGGGGAAAGCCAAACCATGCGAGAGTCCA 600
DB 541 TACAGATCCCCATACACAGTGAAACAGAGAGGGGAAAGCCAAACCATGCGAGAGTCCA 600
QY 601 GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCCGAATGAAAT 660
DB 601 GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCCGAATGAAAT 660
QY 661 GAGCCACACTTCCACATGGTGTAGCCAGAGAGAGGGGTGAGGACTCTTCCCTGGTC 720
DB 661 GAGCCACACTTCCACATGGTGTAGCCAGAGAGAGGGGTGAGGACTCTTCCCTGGTC 720
QY 721 GTAGCTTTCACTGTAAGCTTCACTTAAAGAGAGAACTTCTTGGTGTCTCAAGGAAAG 780
DB 721 GTAGCTTTCACTGTAAGCTTCACTTAAAGAGAGAACTTCTTGGTGTCTCAAGGAAAG 780
QY 781 GAGATGGGCTCCCACTTGGGACAGCTGCCATCGCTCCCATCATGTGCTGTCAAGGAC 840
DB 781 GAGATGGGCTCCCACTTGGGACAGCTGCCATCGCTCCCATCATGTGCTGTCAAGGAC 840
QY 841 GGGAAAGCCTACATCATGAAGGAGAGAGATTTGGCTGAAGAGCTGTGTACTCTCCA 900
DB 841 GGGAAAGCCTACATCATGAAGGAGAGAGATTTGGCTGAAGAGCTGTGTACTCTCCA 900
QY 901 GATCTGTGTGCTGCTTTTGTGGTGTAGAAATGTCCAGATGAAGCTTTCATTCAACCCATC 960
DB 901 GATCTGTGTGCTGCTTTTGTGGTGTAGAAATGTCCAGTGAAGCTTTCATTCAACCCATC 960
QY 961 TGTGAGATGCCACTTTTCAAGGTAACAAGAAAGGAGATGCCCCGCTGGCTTGGT 1020
DB 961 TGTGAGATGCCACTTTTCAAGGTAACAAGAAAGGAGATGCCCCGCTGGCTTGGT 1020
QY 1021 GTTCACATGGCCCCAGCATCTGCTTGTGGACAGCAGGTACACAGCTGAGTGGAGAGG 1080
DB 1021 GTTCACATGGCCCCAGCATCTGCTTGTGGACAGCAGGTACACAGCTGAGTGGAGAGG 1080
QY 1081 TTTGGGCTGACACCCAGCACTTGGTCTCTGAATGAGAACTGTGCTCAGTTCAACACCTT 1140
DB 1081 TTTGGGCTGACACCCAGCACTTGGTCTCTGAATGAGAACTGTGCTCAGTTCAACACCTT 1140
QY 1141 CGCAGCCACAGATTCAAACCACTCAACCTCATCCACCGGACATCTTCCCTGCTC 1200
DB 1141 CGCAGCCACAGATTCAAACCACTCAACCTCATCCACCGGACATCTTCCCTGCTC 1200
QY 1201 ACCAGTTTCCGCTGTAAAGAGAGGGGCCACCCCTCAGTGTGCCATGTTTCAGGGTGAA 1260
DB 1201 ACCAGTTTCCGCTGTAAAGAGAGGGGCCACCCCTCAGTGTGCCATGTTTCAGGGTGAA 1260
QY 1261 TGCCTCTCAAGTACCAAGTCCGTCCTCCAGGAGGAGTGGCAGAGGATGCCATTATTA 1320
DB 1261 TGCCTCTCAAGTACCAAGTCCGTCCTCCAGGAGGAGTGGCAGAGGATGCCATTATTA 1320
QY 1321 TGCATCTCTGAGGAAATTCATATTTGAGCGCTGACAGCTTCCCACTTCCAGCAGAGTG 1380
DB 1321 TGCATCTCTGAGGAAATTCATATTTGAGCGCTGACAGCTTCCCACTTCCAGCAGAGTG 1380
QY 1381 CAGGAGTACAGGAGGAGTGGCAGGACCGGCCAGCCCGCCAGCAGAGAAAGAACTCAGTAC 1440
DB 1381 CAGGAGTACAGGAGGAGTGGCAGGACCGGCCAGCCCGCCAGCAGAGAAAGAACTCAGTAC 1440

QY 1441 CCAGAAATCATCTTCTTGGAAACAGGGTCTGGCATCCCGATGAAGATTCGAAATGTCACT 1500
DB 1441 CCAGAAATCATCTTCTTGGAAACAGGGTCTGGCATCCCGATGAAGATTCGAAATGTCACT 1500
QY 1501 GCACACATTTGTCTAAATAAGCCCCGACACGTCTCTGCTACTGGAATGTGGTGGAGGACA 1560
DB 1501 GCACACATTTGTCTAAATAAGCCCCGACACGTCTCTGCTACTGGAATGTGGTGGAGGACA 1560
QY 1561 TTTGGCAGCTGTGGCGCTCATTAACGAGACAGGTGGACAGGGTCTTGGGCACTTGGCT 1620
DB 1561 TTTGGCAGCTGTGGCGCTCATTAACGAGACAGGTGGACAGGGTCTTGGGCACTTGGCT 1620
QY 1621 GTGTGTTTGTGTCCCACTGCAACGAGATCAACACAGGGCTTCCCAAGTATCTTGTG 1680
DB 1621 GTGTGTTTGTGTCCCACTGCAACGAGATCAACACAGGGCTTCCCAAGTATCTTGTG 1680
QY 1681 CAGAGAGAACGGCGCTTGGCATCTTTGGAAAGCGCTTCACTTCTGCTGGTGGTGGC 1740
DB 1681 CAGAGAGAACGGCGCTTGGCATCTTTGGAAAGCGCTTCACTTCTGCTGGTGGTGGC 1740
QY 1741 CCCAACCACTCAAAAGCTTGGCTCCAGCAGTACCAACCACTGCGCAGAGGTCTCTGCAC 1800
DB 1741 CCCAACCACTCAAAAGCTTGGCTCCAGCAGTACCAACCACTGCGCAGAGGTCTCTGCAC 1800
QY 1801 CACATCAGTATGATTTCTTCCCAATGCTTCCAGGAGGGCTGAGATCTCAGTCTGCA 1860
DB 1801 CACATCAGTATGATTTCTTCCCAATGCTTCCAGGAGGGCTGAGATCTCAGTCTGCA 1860
QY 1861 GTGGAAGATTCATCAGTTCGCTTGTGGAAACATGATTTTGGAAAGTTCAGACCTGT 1920
DB 1861 GTGGAAGATTCATCAGTTCGCTTGTGGAAACATGATTTTGGAAAGTTCAGACCTGT 1920
QY 1921 CTGTGTGGGCACTGCAAGCATGCTTGGCTGTGGCTGTGGTGCACACCTCTGGCTGAAA 1980
DB 1921 CTGTGTGGGCACTGCAAGCATGCTTGGCTGTGGCTGTGGTGCACACCTCTGGCTGAAA 1980
QY 1981 GTGTGCTATTTCCGGGACACCATGCTTCCAGAGGTCTTGGTCCGATGGGAAAGATGCC 2040
DB 1981 GTGTGCTATTTCCGGGACACCATGCTTCCAGAGGTCTTGGTCCGATGGGAAAGATGCC 2040
QY 2041 ACCCTCTGATACATGAAGCCACCTCTGGAAGATGTTTGGAAAGAGGAGTGGAAAG 2100
DB 2041 ACCCTCTGATACATGAAGCCACCTCTGGAAGATGTTTGGAAAGAGGAGTGGAAAG 2100
QY 2101 ACACACAGCAACCTTCCCAAGCCATCAGCTGGGATGCGGATGAACGCGAGTTCATT 2160
DB 2101 ACACACAGCAACCTTCCCAAGCCATCAGCTGGGATGCGGATGAACGCGAGTTCATT 2160
QY 2161 ATGCTGAACCACTTCCAGCAGCGCTTATGCCAAGGTCTCCCTCTTTCAGCCCCCACTT 2220
DB 2161 ATGCTGAACCACTTCCAGCAGCGCTTATGCCAAGGTCTCCCTCTTTCAGCCCCCACTT 2220
QY 2221 GAGAAAGTGGAGTGGCTTTGACCAATGAAGTCTGCTTTGGAGACTTTCGCAACATG 2280
DB 2221 GAGAAAGTGGAGTGGCTTTGACCAATGAAGTCTGCTTTGGAGACTTTCGCAACATG 2280
QY 2281 CCCAAGCTGATTTCCCACTGAAGCCCTGTTTGTGCGGACATCGAGGAGATGGAGAG 2340
DB 2281 CCCAAGCTGATTTCCCACTGAAGCCCTGTTTGTGCGGACATCGAGGAGATGGAGAG 2340
QY 2341 CGCAGGAGAGCGGAGCTCGGAGGTGGCGGCGGCTCTTCTGTCCAGGAGACTGGCA 2400
DB 2341 CGCAGGAGAGCGGAGCTCGGAGGTGGCGGCGGCTCTTCTGTCCAGGAGACTGGCA 2400
QY 2401 GCGCGCTTGGAGGATGGGAGCTCAGCAGAAAGCGGCCCCACACAGAGGAGCCACAGGCC 2460
DB 2401 GCGCGCTTGGAGGATGGGAGCTCAGCAGAAAGCGGCCCCACACAGAGGAGCCACAGGCC 2460
QY 2461 AAGAAAGTTCAGAGCCCACTGTA 2481
DB 2461 AAGAAAGTTCAGAGCCCACTGTA 2481

QY 781 GAGATGGGCTCCAGATTGGGACAGCTGCCATCGCTCCCATCATTTGCTGTCAAGGAC 840
Db 781 GAGATGGGCTCCAGATTGGGACAGCTGCCATCGCTCCCATCATTTGCTGTCAAGGAC 840
QY 841 GGGAAAGCATCACTCATGAGGAGAGAGATTGGCTGAAGAGCTGTACTCTCCCA 900
Db 841 GGGAAAGCATCACTCATGAGGAGAGAGATTGGCTGAAGAGCTGTACTCTCCCA 900
QY 901 GATCCTGGTGTCTGTTTGTGGTGTAGATGTCAGATGAAAGCTTCATTCAACCCATC 960
Db 901 GATCCTGGTGTCTGTTTGTGGTGTAGATGTCAGATGAAAGCTTCATTCAACCCATC 960
QY 961 TGTGAGATGCCACTTTTCAGAGTACCAAGGAAAGCAGATGCCCGGCTGGCTGGTG 1020
Db 961 TGTGAGATGCCACTTTTCAGAGTACCAAGGAAAGCAGATGCCCGGCTGGCTGGTG 1020
QY 1021 GTTCACATGGCCCCAGCATCTGTGCTGTGACAGCAGGTACACAGAGTGGATGGAGG 1080
Db 1021 GTTCACATGGCCCCAGCATCTGTGCTGTGACAGCAGGTACACAGAGTGGATGGAGG 1080
QY 1081 TTTGGGCTGACACCCAGCACTTGGTCTGTAATGAGAACTGTGCTTCAGTTCAACCTT 1140
Db 1081 TTTGGGCTGACACCCAGCACTTGGTCTGTAATGAGAACTGTGCTTCAGTTCAACCTT 1140
QY 1141 GCGAGCCACAAGATTCAAAACCCAGCTCAACTCATCCACCGGACATCTTCCCGCTGCTC 1200
Db 1141 GCGAGCCACAAGATTCAAAACCCAGCTCAACTCATCCACCGGACATCTTCCCGCTGCTC 1200
QY 1201 ACCAGTTTCCGCTGTGAAGAGAGGGCCCCACCCTCAGTGTGCCATGGTTCAGGGTGA 1260
Db 1201 ACCAGTTTCCGCTGTGAAGAGAGGGCCCCACCCTCAGTGTGCCATGGTTCAGGGTGA 1260
QY 1261 TGCCTCTCAAGTACCACTCCGCTCCAGAGGAGGTGGCAGAGGGATGCCATTATTACT 1320
Db 1261 TGCCTCTCAAGTACCACTCCGCTCCAGAGGAGGTGGCAGAGGGATGCCATTATTACT 1320
QY 1321 TGCAATCTGAGGAATTCAATAGTTGAGGCGCTGAGCTTCCCAACTTCCAGCAGGCGTG 1380
Db 1321 TGCAATCTGAGGAATTCAATAGTTGAGGCGCTGAGCTTCCCAACTTCCAGCAGGCGTG 1380
QY 1381 CAGGAGTACAGAGAGTGCAGAGAGCGGCCAGCCAGCCAGCAGAGAAAGTCAAGTAC 1440
Db 1381 CAGGAGTACAGAGAGTGCAGAGAGCGGCCAGCCAGCCAGCAGAGAAAGTCAAGTAC 1440
QY 1441 CCAGAAATCATCTTCTTGGAAACAGGCTCTGCCATCCCGATGAAGATTCCGAATGTTCAGT 1500
Db 1441 CCAGAAATCATCTTCTTGGAAACAGGCTCTGCCATCCCGATGAAGATTCCGAATGTTCAGT 1500
QY 1501 GCCACACTTGTCAACATAAGCCCCGACACAGCTCTCTGTACTGAGCTGTGTGAGGGCACA 1560
Db 1501 GCCACACTTGTCAACATAAGCCCCGACACAGCTCTCTGTACTGAGCTGTGTGAGGGCACA 1560
QY 1561 TTTGGGACAGTGTGCGGTCATTACGAGACAGGTGGACAGGCTCCTGGGCACCTGGCT 1620
Db 1561 TTTGGGACAGTGTGCGGTCATTACGAGACAGGTGGACAGGCTCCTGGGCACCTGGCT 1620
QY 1621 GCTGTGTTTGTGTCCACCTGACACAGATCACCACAGGGCTTGCCAAAGTATCTTGCTG 1680
Db 1621 GCTGTGTTTGTGTCCACCTGACACAGATCACCACAGGGCTTGCTAAATATCTTGCTG 1680
QY 1681 CAGAGAGAACGGCGCTTGGCATTTTGGAAAGCGCTTCAACCCTTCTGCTGGTGGTTGCC 1740
Db 1681 CAGAGAGAACGGCGCTTGGCATTTTGGAAAGCGCTTCAACCCTTCTGCTGGTGGTTGCC 1740
QY 1741 CCCAACCCAGCTCAAGCCCTGGCTCCAGCAGTACCAACACAGTGCAGAGGCTCCTGCAC 1800
Db 1741 CCCAACCCAGCTCAAGCCCTGGCTCCAGCAGTACCAACACAGTGCAGAGGCTCCTGCAC 1800
QY 1801 CACATCAGTATGATTTCTTGCCAAATGCCCTTCAGGAAGGGGTGAGATCTCCAGTCTGCA 1860
Db 1801 CACATCAGTATGATTTCTTGCCAAATGCCCTTCAGGAAGGGGTGAGATCTCCAGTCTGCA 1860

QY 1861 GTGGAAAGATTGATCAGTTGCTGTGCAACATGATGTTGGAAGAGTTTTCAGACCTGT 1920
Db 1861 GTGGAAAGATTGATCAGTTGCTGTGCAACATGATGTTGGAAGAGTTTTCAGACCTGT 1920
QY 1921 CTGGTGCAGCTGCAAGCATGCTTTGGCTGTGCGCTGGTGCAACCTCTGGCTGGAAA 1980
Db 1921 CTGGTGCAGCTGCAAGCATGCTTTGGCTGTGCGCTGGTGCAACCTCTGGCTGGAAA 1980
QY 1981 GTGGTCTATTTCGGGACACCATGCTCGGAGGCTCTGCTCGGATGGGAAAGATGCC 2040
Db 1981 GTGGTCTATTTCGGGACACCATGCTCGGAGGCTCTGCTCGGATGGGAAAGATGCC 2040
QY 2041 ACCCTCTCATATCATGAAGCCACCTCGAAGATGTTTGGAAAGAGAGACAGTGGAAAAG 2100
Db 2041 ACCCTCTCATATCATGAAGCCACCTCGAAGATGTTTGGAAAGAGAGACAGTGGAAAAG 2100
QY 2101 ACACAGCACAACGTTCCCAAGCCATCAGCTGGGGATCGGATGAAACGCGAGTTCAAT 2160
Db 2101 ACACAGCACAACGTTCCCAAGCCATCAGCTGGGGATCGGATGAAACGCGAGTTCAAT 2160
QY 2161 ATGCTGAACCACTTCAGCCAGCGCTATGCCAAGGTCCCTCTTCAGCCCCCACTTCAGC 2220
Db 2161 ATGCTGAACCACTTCAGCCAGCGCTATGCCAAGGTCCCTCTTCAGCCCCCACTTCAGC 2220
QY 2221 GAGAAAGTGGGAGTTGCTTTTCCACACATGAAGGTCTGCTTTGGAGACATTTTCCAAATG 2280
Db 2221 GAGAAAGTGGGAGTTGCTTTTCCACACATGAAGGTCTGCTTTGGAGACATTTTCCAAATG 2280
QY 2281 CCCAAGCTGATTTCCCGCTGAAAGCCCTGTTGCTGGGACATCGAGGAGTGGAGGAG 2340
Db 2281 CCCAAGCTGATTTCCCGCTGAAAGCCCTGTTGCTGGGACATCGAGGAGTGGAGGAG 2340
QY 2341 CGCAGGGAAGAGCGGAGCTGCGGAGTGCAGAGTGCAGGAGGCGGCTCTCTGTCAGGAGCTGGCA 2400
Db 2341 CGCAGGGAAGAGCGGAGCTGCGGAGTGCAGGAGTGCAGGAGGCGGCTCTCTGTCAGGAGCTGGCA 2400
QY 2401 GCGGCTGAGAGTGGGAGCTCAGCAGAGCGGCGCCACACAGAGGAGCCACAGGCC 2460
Db 2401 GCGGCTGAGAGTGGGAGCTCAGCAGAGCGGCGCCACACAGAGGAGCCACAGGCC 2460
QY 2461 AAGAAGTTCAGAGCCCAAGTGA 2481
Db 2461 AAGAAGTTCAGAGCCCAAGTGA 2481

RESULT 11

US-09-988-687-225
; Sequence 225, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; FILE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 225
; LENGTH: 2892
; TYPE: DNA
; ORGANISM: Gorilla gorilla
; FEATURE:

NAME/KEY: CDS		98.5%; Score 2442.6; DB 10; Length 2892;	
LOCATION: (1) ... (2478)		Best Local Similarity 99.0%; Pred. No. 0;	
US-09-988-687-225		Matches 2457; Conservative 0; Mismatches 24; Indels 0; Gaps 0;	
QY	1	ATGTGGGCGCTTGTCTCGCTGCTGGTCCGGCCGCGACGACACCATGTGCGCAGGACGC	60
DB	1	ATGTGGGCGCTTGTCTCGCTGCTGGTCCGGCCGCGACGACACCATGTGCGCAGGACGC	60
QY	61	ACCATATCGCAGGACACCGCCGCGGAGCGGCGCAAGGACCCGCTGCGSCACCTG	120
DB	61	ACCATATCGCAGGACACCGCCGCGGAGCGGCGCAAGGACCCGCTGCGSCACCTG	120
QY	121	CGCAGCGCAGAGAGCGGACCGTCCGGGTGCTCCGGCGGCCCAACACCGGTGTACTG	180
DB	121	CGCAGCGCAGAGAGCGGACCGTCCGGGTGCTCCGGCGGCCCAACACCGGTGTACTG	180
QY	181	CAGGTGTGGCAGGCGGTAGCGGGAGCTCGGGCGCCGCGTCTACGTCTTCTCCGAGTTC	240
DB	181	CAGGTGTGGCAGGCGGTAGCGGGAGCTCGGGCGCCGCGTCTACGTCTTCTCCGAGTTC	240
QY	241	AACCGGTATCTTTCACTGTGGAGAGCGGTTGAGAGACTCATGCAAGGACCAAGTTA	300
DB	241	AACCGGTATCTTTCACTGTGGAGAGCGGTTGAGAGACTCATGCAAGGACCAAGTTA	300
QY	301	AAGGTGTGCTCGCTGGACCAATATCTGTACAGCAATGCACTGGTCTAATGTGGGGC	360
DB	301	AAGGTGTGCTCGCTGGACCAATATCTGTACAGCAATGCACTGGTCTAATGTGGGGC	360
QY	361	TTAAGTGAATGATCTTACCTTTAAAGGAAACCGGCTTCCAAAGTGTGACTTTCTGGA	420
DB	361	TTAAGTGAATGATCTTACCTTTAAAGGAAACCGGCTTCCAAAGTGTGACTTTCTGGA	420
QY	421	CCTCCAACTGGAAATACTCGAAGCAATCAAAATATTTCTGGTCCATTTGAAGGA	480
DB	421	CCTCCAACTGGAAATACTCGAAGCAATCAAAATATTTCTGGTCCATTTGAAGGA	480
QY	481	ATAGAATGCTGTGCGGCCCACTCTGCCCAAGATACAGGATGAAACCATGACAGTT	540
DB	481	ATAGAATGCTGTGCGGCCCACTCTGCCCAAGATACAGGATGAAACCATGACAGTT	540
QY	541	TACCAGATCCCATACACAGTGAACAGAGAGGGGAAAGCAACCATGCGAGAGTCCA	600
DB	541	TACCAGATCCCATACACAGTGAACAGAGAGGGGAAAGCAACCATGCGAGAGTCCA	600
QY	601	GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCCGAATGAAAT	660
DB	601	GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCCGAATGAAAT	660
QY	661	GAGCCACACCTTCCATGTGTAGCCAGAGAGGGGTGAGGACTTCCCTGGTC	720
DB	661	GAGCCACACCTTCCATGTGTAGCCAGAGAGGGGTGAGGACTTCCCTGGTC	720
QY	721	GTAGCTTTCACTGTAGCTTCACTTTAAAGAGGAAACTTCTTGTGTCTCAAGCAAG	780
DB	721	GTAGCTTTCACTGTAGCTTCACTTTAAAGAGGAAACTTCTTGTGTCTCAAGCAAG	780
QY	781	GAGATGGGCTCCAGTGTGGGACAGTGCATCGCTCCCATATCTCTGTCTCAAGGAC	840
DB	781	GAGATGGGCTCCAGTGTGGGACAGTGCATCGCTCCCATATCTCTGTCTCAAGGAC	840
QY	841	GGGAAAGCATCACTCATGAGGAGAGGATTTTGGCTGAGAGCTGTGTACTCTCTCA	900
DB	841	GGGAAAGCATCACTCATGAGGAGAGGATTTTGGCTGAGAGCTGTGTACTCTCTCA	900
QY	901	GATCCTGGTCTCTTTTGTGGTGTAGATGTCCAGATGAAAGCTTCAATCAACCCATC	960
DB	901	GATCCTGGTCTCTTTTGTGGTGTAGATGTCCAGATGAAAGCTTCAATCAACCCATC	960
QY	961	TGTGAGATGCCACCTTTCAGAGGTACCAAGGAAAGGACAGTGCCTTGGTG	1020
DB	961	TGTGAGATGCCACCTTTCAGAGGTACCAAGGAAAGGACAGTGCCTTGGTG	1020
QY	1021	GTTTCATGCGCCCGCAGCATCTCTGTGTGGACACAGGTACCAAGTGTGAGTGTGAGG	1080
DB	1021	GTTTCATGCGCCCGCAGCATCTCTGTGTGGACACAGGTACCAAGTGTGAGTGTGAGG	1080
QY	1081	TTTGGGCTGTGACACCGACATCTGTCTGTGAATGAACTGTGCTCAGTTCACAACTT	1140
DB	1081	TTTGGGCTGTGACACCGACATCTGTCTGTGAATGAACTGTGCTCAGTTCACAACTT	1140
QY	1141	CGCAGCCACAAGATTCAAAACCCAGCTCAACCTTCCACCCGGACATCTTCCCTGTCTC	1200
DB	1141	CGCAGCCACAAGATTCAAAACCCAGCTCAACCTTCCACCCGGACATCTTCCCTGTCTC	1200
QY	1201	ACAGTTCCTCGCTGTAAAGAGGAGGCGCCACCTCAGTGTGCCATGTGTCAGGTGAA	1260
DB	1201	ACAGTTCCTCGCTGTAAAGAGGAGGCGCCACCTCAGTGTGCCATGTGTCAGGTGAA	1260
QY	1261	TGCCTCTCAAGTACCAAGTCCCTCCAGAGGAGTGCACAGAGGATGCCATTTACT	1320
DB	1261	TGCCTCTCAAGTACCAAGTCCCTCCAGAGGAGTGCACAGAGGATGCCATTTACT	1320
QY	1321	TGCAATCTGTAGGAATTCATAGTTGAGCGCTGCAGCTTCCAACTTCCACAGAGCGTG	1380
DB	1321	TGCAATCTGTAGGAATTCATAGTTGAGCGCTGCAGCTTCCAACTTCCACAGAGCGTG	1380
QY	1381	CAGGAGTACAGGAGGAGTGCAGAGCGGCCAGCCAGCCAGCAGAGAAAGTCAAGTAC	1440
DB	1381	CAGGAGTACAGGAGGAGTGCAGAGCGGCCAGCCAGCCAGCAGAGAAAGTCAAGTAC	1440
QY	1441	CCAGAAATCATCTTCTTGGAAACAGGCTGCCATCCGATGAAAGTTCGAAATGTCACT	1500
DB	1441	CCAGAAATCATCTTCTTGGAAACAGGCTGCCATCCGATGAAAGTTCGAAATGTCACT	1500
QY	1501	GCCACACTGTTCACATAAGCCCGCAGACGCTCTGTCTACTGGAAGTGTGAGGCGACA	1560
DB	1501	GCCACACTGTTCACATAAGCCCGCAGACGCTCTGTCTACTGGAAGTGTGAGGCGACA	1560
QY	1561	TTTGGGAGCTGTGCGCTCATTACGGAGACAGAGTGGACAGGGTCTTGGGACCCCTGGCT	1620
DB	1561	TTTGGGAGCTGTGCGCTCATTACGGAGACAGAGTGGACAGGGTCTTGGGACCCCTGGCT	1620
QY	1621	GCTGTGTTGTGCTCCACCTGACGAGATCACACACGGGCTTGTCTGCTGCTG	1680
DB	1621	GCTGTGTTGTGCTCCACCTGACGAGATCACACACGGGCTTGTCTGCTGCTG	1680
QY	1681	CAGAGAAACCGGCTTGGCATCTTGGGAAAGCGCTTCAACCTTGTGCTGCTGCTG	1740
DB	1681	CAGAGAAACCGGCTTGGCATCTTGGGAAAGCGCTTCAACCTTGTGCTGCTGCTG	1740
QY	1741	CCCAACAGCTCAAGGCTGCTCCAGCATCACCAACAGTGCAGAGGCTCTGCAC	1800
DB	1741	CCCAACAGCTCAAGGCTGCTCCAGCATCACCAACAGTGCAGAGGCTCTGCAC	1800
QY	1801	CACATCAGTATGATCTTGGCAAAATGCTTCCAGAAAGGCTGAGATCTCCAGTCTGCA	1860
DB	1801	CACATCAGTATGATCTTGGCAAAATGCTTCCAGAAAGGCTGAGATCTCCAGTCTGCA	1860
QY	1861	GTGAAAGATGATCAGTTCGTGCTTCCGAAACATGTGATTTGGAAGAGTTCAGACCTGT	1920
DB	1861	GTGAAAGATGATCAGTTCGTGCTTCCGAAACATGTGATTTGGAAGAGTTCAGACCTGT	1920
QY	1921	CTGTGCGGACCTGCAAGCATGCTTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1980
DB	1921	CTGTGCGGACCTGCAAGCATGCTTGGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	1980
QY	1981	GTGCTCTATTTCCGGGACACCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	2040
DB	1981	GTGCTCTATTTCCGGGACACCATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG	2040
QY	2041	ACCTCTCTGATACATGAGCCACCTGGAAGATGCTTGGAAAGGAGGAGTGGAAAG	2100
DB	2041	ACCTCTCTGATACATGAGCCACCTGGAAGATGCTTGGAAAGGAGGAGTGGAAAG	2100

Db	2041	ACCTCTGTATACATGAAGCCACCTCTGGAAGATGGTTTGGAAAGAGGACGATGGAAAG	2100
Qy	2101	ACACAGCAACAACGTCCTCCCAAGCCATCAGCGTGGGATGCGGATGAACCGGAGTTCAIT	2160
Db	2101	ACACAGCAACAACGTCCTCCCAAGCCATCAGCGTGGGATGCGGATGAACCGGAGTTCAIT	2160
Qy	2161	ATGCTGAACACATTCAGCCAGCGGTATGCAAGGTCCCTCTTCAGGCCCACTTCAGC	2220
Db	2161	ATGCTGAACACATTCAGCCAGCGGTATGCAAGGTCCCTCTTCAGGCCCACTTCAC	2220
Qy	2221	GAGAAAGTGGGAGTTGCTTTGACCATGAAGTCTGCTTGGAGACTTTCACCAAAATG	2280
Db	2221	GAGAAAGTGGGAGTTGCTTTGACCATGAAGTCTGCTTGGAGACTTTCACCAATG	2280
Qy	2281	CCCAAGCTGATTCCTCCCACTGAAAGCCTGTGCTGGCGACATCGAGGAGATGAGGAG	2340
Db	2281	CCCAAGCTGATTCCTCCCACTGAAAGCCTGTGCTGGCGACATCGAGGAGATGAGGAG	2340
Qy	2341	CGCAGGGAGAACGGGAGCTCGCGCAGGTGCGGCGGCCCTCTCTGTCACGGAGCTGGCA	2400
Db	2341	CGCAGGGAGAACGGGAGCTCGCGCAGGTGCGGCGGCCCTCTCTGTCGGGGAGCTGGCA	2400
Qy	2401	GGCGGCTCTGAGGATGGGGAGCCTTCAGCAAGCGGGGCCCAACACAGAGGAGCCACAGGCC	2460
Db	2401	GGCGGCTCTGAGGATGGGAGCCTTCAGCAAGCGGGGCCCAACACAGAGGAGCCACAGGCC	2460
Qy	2461	AAGAAAGTCAGAGCCCAAGTGA	2481
Db	2461	AAGAAAGTCAGAGCCCAAGTGA	2481

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RESULT 12
US-09-988-686-225
; Sequence 225, Application US/09988696
; Publication No. US20030120052A1
; GENERAL INFORMATION:
; APPLICANT: Tavtgian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes

```

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1 FILE REFERENCE: 2318-258
2 CURRENT APPLICATION NUMBER: US/09/988,686
3 PRIOR FILING DATE: 2001-11-20
4 PRIOR APPLICATION NUMBER: 09/564,805
5 PRIOR FILING DATE: 2000-05-05
6 PRIOR APPLICATION NUMBER: 05/60,107,468
7 PRIOR FILING DATE: 1998-11-06
8 PRIOR APPLICATION NUMBER: 09/434,382
9 PRIOR FILING DATE: 1999-11-05
10 NUMBER OF SEQ ID NOS: 240
11 SOFTWARE: PatentIn Ver. 2.0
12 SEQ ID NO 225
13 LENGTH: 2892
14 TYPE: DNA
15 ORGANISM: Gorilla gorilla
16 FEATURE:
17 NAME/KEY: CDS
18 LOCATION: (1)..(2478)
19 US-09-988-686-225

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Query Match	98.5%;	Score 2442.6;	DB 10;	Length 2892;
Best Local Similarity	99.0%;	Pred. No. 0;		
Matches 2457;	Conservative	0;	Mismatches 24;	Indels 0; Gaps 0;
QY	1	ATGTGGGGCTTTGTTCGCTGCTCGGGTCCGGCGGACGCCACCATCTCGCAGGACGC	60	
Db	1	ATGTGGGGCTTTGTTCGCTGCTCGGGTCCGGCGGACGCCACCATCTCGCAGGACGC	60	
QY	61	ACCATATCGCAGGCACCGCCCGCGGAGCGCGCGCAGGACCCGCTTGGGCACCTG	120	

61	DB	ACCA	TATCGCAGCACCCCGCCGCGGAGCGCGCGCAAGGACCCCGTGGCGCACCTG	120
121	QY	CGCAGCGAGAGAACGGCGGACCCGTCGGGTGCTCTCGGGGCCCCAAACACCGTGTAACCTG	180	
121	DB	CGCAGCGAGAGAACGGCGGACCCGTCGGGTGCTCTCGGGGCCCCAAACACCGTGTAACCTG	180	
181	QY	CAGGTGGTGAGCGGGTAGCGGACATCGGGCGCGCGCTCTACGTCTTCTCCGAGTTTC	240	
181	DB	CAGGTGGTGAGCGGGTAGCGGACATCGGGCGCGCGCTCTACGTCTTCTCCGAGTTTC	240	
241	QY	AAACCGGTATCTCTTCAACTGTGTGGAGAAAGGCGTTTACAGACTCATCGCAGGAGCACAAAGTTA	300	
241	DB	AAACCGGTATCTCTTCAACTGTGTGGAGAAAGGCGTTTACAGACTCATCGCAGGAGCACAAAGTTA	300	
301	QY	AGGGTGTCTCGCTCGACAAACATATTCGTGACACGAATGCACTGGTCTTAATGTTGGGGGC	360	
301	DB	AGGGTGTCTCGCTCGACAAACATATTCGTGACACGAATGCACTGGTCTTAATGTTGGGGGC	360	
361	QY	TTAAGTGGAAATGATTTCTTATTTAAAGGAAACCGGGCTTCCAAAGTGTGTACTTTCTGGA	420	
361	DB	TTAAGTGGAAATGATTTCTTATTTAAAGGAAACCGGGCTTCCAAAGTGTGTACTTTCTGGA	420	
421	QY	CTCTCAACACTCGGAAATATACCTCGAAGCAATCAAAATATTTTCTGGTCCATTGAAAGGA	480	
421	DB	CTCTCAACACTCGGAAATATACCTCGAAGCAATCAAAATATTTTCTGGTCCATTGAAAGGA	480	
481	QY	ATAGAACTGGCTGTGGGCCCCACTCTGCCCCAGAAATACGAGATGAAACCATGACAGTT	540	
481	DB	ATAGAACTGGCTGTGGGCCCCACTCTGCCCCAGAAATACGAGATGAAACCATGACAGTT	540	
541	QY	TACAGATCCCATACACAGTGAAACAGAGGAGGGGAAGCACCAACCATGGCAGATCCA	600	
541	DB	TACAGATCCCATACACAGTGAAACAGAGGAGGGGAAGCACCAACCATGGCAGATCCA	600	
601	QY	GAAAGCCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCGAATGAAAT	660	
601	DB	GAAAGCCTCTCAGCAGGCTCAGTCCAGAGCGATCTTCAGACTCCGAGTCGAATGAAAT	660	
661	QY	GAGCCACACCTTCCACATGGTGTATGCCAGAGAAGAGGGTCAGGACCTTCCTCGTGC	720	
661	DB	GAGCCACACCTTCCACATGGTGTATGCCAGAGAAGAGGGTCAGGACCTTCCTCGTGC	720	
721	QY	GTAGCTTTTCATCTGTAAGCTTCATTTAAAGAGGGAACCTTCTTGTGCTCAAAGCAAAG	780	
721	DB	GTAGCTTTTCATCTGTAAGCTTCATTTAAAGAGGGAACCTTCTTGTGCTCAAAGCAAAG	780	
781	QY	GAGATGGGCTCCAGTGTGGGACAGCTGCCATCGCTCCCATCATTTCTGCTCAAGGAC	840	
781	DB	GAGATGGGCTCCAGTGTGGGACAGCTGCCATCGCTCCCATCATTTCTGCTCAAGGAC	840	
841	QY	GGGAAAGCATCACTCATGAGAGAGAGATTTTGGCTGAAGAGCTGTGTATCTCTCCA	900	
841	DB	GGGAAAGCATCACTCATGAGAGAGAGATTTTGGCTGAAGAGCTGTGTATCTCTCCA	900	
901	QY	GATCCTGGTCTCTTTTGTGGTGTAGAAATGCCAGATGAAAGCTTCATTCAACCCATC	960	
901	DB	GATCCTGGTCTCTTTTGTGGTGTAGAAATGCCAGATGAAAGCTTCATTCAACCCATC	960	
961	QY	TGTGAGATGCCACCTTTTCAGAGGTACCAAGGAAAGGACATGCCCCCGTGGCTTGGTG	1020	
961	DB	TGTGAGATGCCACCTTTTCAGAGGTACCAAGGAAAGGACATGCCCCCGTGGCTTGGTG	1020	
1021	QY	GTTTCATGGCCCCGACATCTGTCTTGTGGACAGCAGAGTACCAGCAGTGGATGGAGAGG	1080	
1021	DB	GTTTCATGGCCCCGACATCTGTCTTGTGGACAGCAGAGTACCAGCAGTGGATGGAGAGG	1080	
1081	QY	TTTGGGCTTCACACCCAGCATCTTGGTCTGAATGAGAACCTGTCCTCAGTTCACAACCTT	1140	
1081	DB	TTTGGGCTTCACACCCAGCATCTTGGTCTGAATGAGAACCTGTCCTCAGTTCACAACCTT	1140	
1141	QY	CGAGGCCACAAGATTMAACCCAGCTCAACCTCATCCACCCGACATCTTCCCTGCTC	1200	
1141	DB	CGAGGCCACAAGATTMAACCCAGCTCAACCTCATCCACCCGACATCTTCCCTGCTC	1200	

Db 482 ATAGAACTGGGTGTGGCGCCCACTCTGCCCAAGATACAGAGTGAACCAATGACAGTT 541
 Qy 541 TACCAGATCCCATACACAGTGAACAGAGAGGGAAGACCAACCATGGCAGAGTCCA 600
 Db 542 TACCAGATCCCATACACAGTGAACAGAGAGGGAAGACCAACCATGGCAGAGTCCA 601
 Qy 601 GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTTCAGACTCCGAGTCCGAATGAAT 660
 Db 602 GAAAGGCTCTCAGCAGGCTCAGTCCAGAGCGATCTTTCAGACTCCGAGTCCGAATGAAT 661
 Qy 661 GAGCAGACCTCTCAGATGTTAGCCAGAGAGGAGGAGTCTTCCCTGGTC 720
 Db 662 GAGCAGACCTCTCAGATGTTAGCCAGAGAGGAGGAGTCTTCCCTGGTC 721
 Qy 721 GTAGCTTTTCACTGTAAAGCTTCACTTAAAGAGAGAACTTCTTGTGCTCAAGCAAG 780
 Db 722 GTAGCTTTTCACTGTAAAGCTTCACTTAAAGAGAGAACTTCTTGTGCTCAAGCAAG 781
 Qy 781 GAGATGGGCTCCAGTGTGGACAGCTGCCATGCTCCCATCATTTGCTGCTGTCMAGGAC 840
 Db 782 GAGATGGGCTCCAGTGTGGACAGCTGCCATGCTCCCATCATTTGCTGCTGTCMAGGAC 841
 Qy 841 GGGAAAAGCATCACTCATGAAGGAAGAGAGATTTTGGCTGAAGAGCTGTACTCTCTCCA 900
 Db 842 GGGAAAAGCATCACTCATGAAGGAAGAGAGATTTTGGCTGAAGAGCTGTACTCTCTCCA 901
 Qy 901 GATCCTGGTGTCTTTTGTGGTGGTAGATGTCAGATGAAGCTTCATTCAACCCATC 960
 Db 902 GATCCTGGTGTCTTTTGTGGTGGTAGATGTCAGATGAAGCTTCATTCAACCCATC 961
 Qy 961 TGTGAGAAATGCCACTTTCAGAGTACCAAGGAAGCAGATGCCCGCTGGCTTGGTG 1020
 Db 962 TGTGAGAAATGCCACTTTCAGAGTACCAAGGAAGCAGATGCCCGCTGGCTTGGTG 1021
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 Db 1022 GTTCACATGGCCCCCAGCATCTGCTTGTGGACAGCAGGTACCAAGCAGTGGATGGAGG 1081
 Qy 1081 TTTGGGCTGACACCCAGCATTGGTCTGAATGAGAACTGTGCTCAGTTCACACCTT 1140
 Db 1082 TTTGGGCTGACACCCAGCATTGGTCTGAATGAGAACTGTGCTCAGTTCACACCTT 1141
 Qy 1141 CGCAGCCACAAGATTCAAAACCCAGCTCAACCTCATCCACCGGACATCTTCCCTGCTC 1200
 Db 1142 CGCAGCCACAAGATTCAAAACCCAGCTCAACCTCATCCACCGGACATCTTCCCTGCTC 1201
 Qy 1201 ACCAGTTTCCGCTGTAAAGAGAGGCCCCACCTCAGTGTGCCATGGTTCAGGCTGAA 1260
 Db 1202 ACCAGTTTCCGCTGTAAAGAGAGGCCCCACCTCAGTGTGCCATGGTTCAGGCTGAA 1261
 Qy 1261 TGCTCTCTCAAGTACAGCTCCGTCAGGAGGAGTGGCAGAGGATGCCATTATTACT 1320
 Db 1262 TGCTCTCTCAAGTACAGCTCCGTCAGGAGGAGTGGCAGAGGATGCCATTATTACT 1321
 Qy 1321 TGCAATCTCAGGAATTCATAGTTGAGCGCTGAGCTTCCCACTTCCAGCAGAGGCTG 1380
 Db 1322 TGCAATCTCAGGAATTCATAGTTGAGCGCTGAGCTTCCCACTTCCAGCAGAGGCTG 1381
 Qy 1381 CAGAGTACAGAGAGTGGCAGAGCGCCAGCCAGCCAGCAGAGAAAGTCAAGTAC 1440
 Db 1382 CAGAGTACAGAGAGTGGCAGAGCGCCAGCCAGCCAGCAGAGAAAGTCAAGTAC 1441
 Qy 1441 CCAGAAATCATCTTCTTGGAAACAGGCTCTGCCATCCCGATGGAAGATTGCAATGTGAGT 1500
 Db 1442 CCAGAAATCATCTTCTTGGAAACAGGCTCTGCCATCCCGATGGAAGATTGCAATGTGAGT 1501
 Qy 1501 GCCACATTTGCAATGAAGCCCCGACAGCTCTGCTACTGAGTGTGGTGGGGCACA 1560
 Db 1502 GCCACATTTGCAATGAAGCCCCGACAGCTCTGCTACTGAGTGTGGTGGGGCAGC 1561
 Qy 1561 TTTGGGAGCTGTGCGCTCATTTACGAGACAGGTTGAGAGGCTCTGGGACACCTGGCT 1620
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Qy 1621 GCTGTGTTTGTGTCCTCCACCTGCACGAGATCAACACGGGCTTCCCAAGTATCTTGCTG 1680
 Db 1622 GCTGTGTTTGTGTCCTCCACCTGCACGCTGATCACCACAGGGCTTCCCAAGTATCTTGCTG 1681
 Qy 1681 CAGAGAGAACGGCTTGGCATCTTTGGAAAGCGCTTCACTTGTCTGCTGCTGCTGCTG 1740
 Db 1682 CAGAGAGAACGGCTTGGCATCTTTGGAAAGCGCTTCACTTGTCTGCTGCTGCTGCTG 1741
 Qy 1741 CCAACACAGCTCAAAAGCCTGGCTCCAGCAGTACCAACACAGTGCAGAGGCTCTGCAC 1800
 Db 1742 CCAACACAGCTCAAAAGCCTGGCTCCAGCAGTACCAACACAGTGCAGAGGCTCTGCAC 1801
 Qy 1801 CACATCAGTATGATTCCTGGCCTTCCAAATGCTTCCAGAGGGGCTGAGATCTCCAGTCTGCA 1860
 Db 1802 CACATCAGTATGATTCCTGGCCTTCCAAATGCTTCCAGAGGGGCTGAGATCTCCAGTCTGCA 1861
 Qy 1861 GTGGAAAGATTCATCAGTTCGCTGTGGAAACATCTGATTTGGAAGAGTTTCAGACCTGT 1920
 Db 1862 GTGGAAAGATTCATCAGTTCGCTGTGGAAACATCTGATTTGGAAGAGTTTCAGACCTGT 1921
 Qy 1921 CTGGTGGCCTCACTGAAGCCTGGATGCTGCTGCTGGTGGTGCACACCTCTGGCTGGAAA 1980
 Db 1922 CTGGTGGCCTCACTGAAGCCTGGATGCTGCTGCTGGTGGTGCACACCTCTGGCTGGAAA 1981
 Qy 1981 GTGGTCTATTCGGGGACACCATGCTGCGAGGCTTGGTCCGGATGGGAAAGATGCC 2040
 Db 1982 GTGGTCTATTCGGGGACACCATGCTGCGAGGCTTGGTCCGGATGGGAAAGATGCC 2041
 Qy 2041 ACCCTCTGATACATGAAGCCTGGATGCTGCTGCTGGTGGTGGTGGTGGTGGTGGTGG 2100
 Db 2042 ACCCTCTGATACATGAAGCCTGGATGCTGCTGCTGGTGGTGGTGGTGGTGGTGGTGG 2101
 Qy 2101 ACACAGACACAACTGCCAAGCCATCAGCTGGGGATCCGATGACGCGAGTTCATT 2160
 Db 2102 ACACAGACACAACTGCCAAGCCATCAGCTGGGGATCCGATGACGCGAGTTCATT 2161
 Qy 2161 ATGCTGAACCACTTCAGCCAGCGCTATGCAAGGCTCCCTCTTCAGCCCCCACTTCAGC 2220
 Db 2162 ATGCTGAACCACTTCAGCCAGCGCTATGCAAGGCTCCCTCTTCAGCCCCCACTTCAGC 2221
 Qy 2221 GAGAAAGTGGAGTGGCTTTGACACATGAAGTGTCTGTTGGAGACTTTTCCAACTG 2280
 Db 2222 GAGAAAGTGGAGTGGCTTTGACACATGAAGTGTCTGTTGGAGACTTTTCCAACTG 2281
 Qy 2281 CCCAAGCTCATTCCTCCACTGAAGCCCTGTTGCTGGCGACATCGAGAGATGGAGGAG 2340
 Db 2282 CCCAAGCTCATTCCTCCACTGAAGCCCTGTTGCTGGCGACATCGAGAGATGGAGGAG 2341
 Qy 2341 CGCAGGAGAGCGGGAGCTGCGGAGTGCAGAGTGCAGGAGGCTCTCTGCTCAGGAGCTGGCA 2400
 Db 2342 CGCAGGAGAGCGGGAGCTGCGGAGTGCAGGAGTGCAGGAGGCTCTCTGCTCAGGAGCTGGCA 2401
 Qy 2401 GCGGCTCGAGATGGGAGCTCAGCAGAGCGGGCCACACAGAGGAGCCACAGGCT 2460
 Db 2402 GCGGCTCGAGATGGGAGCTCAGCAGAGCGGGCCACACAGAGGAGCCACAGGCT 2461
 Qy 2461 AAGAAGCTCAGAGCCCACTGA 2481
 Db 2462 AAGAAGCTCAGAGCCCACTGA 2482

RESULT 14
 US-09-988-626-221
 ; Sequence 221, Application US/09988626
 ; Publication No. US2003004959A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Tavtigan, Sean V.
 ; APPLICANT: Teng, David H.F.
 ; APPLICANT: Simard, Jacques
 ; APPLICANT: Rommens, Johanna M.
 ; APPLICANT: Myriad Genetics, Inc.
 ; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility

Db 1819 ACATTGGAAGGCTGATAGCTTGTCTTTGGAAACATGACTTAGAGAAATTCAGACC 1878
Qy 1918 TGTCTGGTGGGCACTGCAAGCATGCTTTGGCTGTGCTGGTGCACACCTCTCTGGCTGG 1977
Db 1879 TGCCTGGTACGGCACTGCAAGCATGCTTTGGCTGTGCACTGGTACATTCATCTGGCTGG 1938
Qy 1978 AAGTGTCTATTTCCGGGGACACCATGCTCGGAGGCTCTGGTGGGATGGGGAAGAT 2037
Db 1939 AAGTGTCTATTTCCGGGGATACCATGCTCGGAGGCTCTGGTGGGATGGGGAAGAT 1998
Qy 2038 GCAACCTCTCTGATACATCAAGCCACCTCTGGAAGATGTTTGGAAAGGAAGCAGTGGAA 2097
Db 1999 GCAACCTCTCTGATACATCAAGCCACCTCTGGAAGATGTTTGGAAAGGAAGCAGTGGAA 2058
Qy 2098 AAGACACACGACACACGCTCCCAAGCCATCAGCTGGGATGCGGATGAAACGCGAGTTC 2157
Db 2059 AAGACACACGACACACGCTCCCAAGCCATCAGCTGGGATGCGGATGAAACGCGAGTTC 2118
Qy 2158 ATTATGCTGAACCACTTTCAGCCAGGCTATGCAAGGTCCTCTTCAGCCGCCAATTC 2217
Db 2119 ATCATGCTGAACCACTTTCAGCCAGGCTATGCAAGGTCCTCTTCAGCCGCCAATTC 2178
Qy 2218 ACGGAGAAAGTGGAGTGGCTTTGACCAATGAAGGCTGCTGTTGGAGACTTCCAA 2277
Db 2179 AACGAGAAAGTGGAGTGGCTTTGACCAATGAAGGCTGCTGTTGGAGACTTCCAA 2238
Qy 2278 ATGCCCAAGCTGATTTCCCACTGAAGCCCTGTTGCTGGCGACATCGAGGATGAG 2337
Db 2239 GTGCCCAAGCTGATTTCCCACTGAAGCCCTGTTGCTGGCGACATCGAGGATGAG 2298
Qy 2338 GAGCCAGGAGAAAGCGGAGTGGCGAGGTCGGCGGCGGCTCTCTTCAGCGGAGCTG 2397
Db 2299 GAAACGAGGAGAAAGGAGCTACGCTGGTGGCGAGCAGCCCTCTCTGACC--CAGCAG 2355
Qy 2398 CGAGCGCGCTGGAGGATGGGAGCTCAGCAGAGCGGGCCACACAGAGGACCA 2456
Db 2356 GCGAGACGCCAGAGGACAGAAACCCCAACAGAGCGGGCCACACAGATGAACCCACA 2414

RESULT 15

US-09-988-687-221
; Sequence 221, Application US/09988687
; Publication No. US20030045704A1
; GENERAL INFORMATION:
; APPLICANT: Tavtigian, Sean V.
; APPLICANT: Teng, David H.F.
; APPLICANT: Simard, Jacques
; APPLICANT: Rommens, Johanna M.
; APPLICANT: Myriad Genetics, Inc.
; TITLE OF INVENTION: Chromosome 17p-Linked Prostate Cancer Susceptibility
; TITLE OF INVENTION: Gene and a Paralog and Orthologous Genes
; FILE REFERENCE: 2318-258
; CURRENT APPLICATION NUMBER: US/09/988,687
; CURRENT FILING DATE: 2001-11-20
; PRIOR APPLICATION NUMBER: 09/564,805
; PRIOR FILING DATE: 2000-05-05
; PRIOR APPLICATION NUMBER: US 60/107,468
; PRIOR FILING DATE: 1998-11-06
; PRIOR APPLICATION NUMBER: 09/434,382
; PRIOR FILING DATE: 1999-11-05
; NUMBER OF SEQ ID NOS: 240
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 221
; LENGTH: 2470
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(2466)
US-09-988-687-221

Query Match

66.3%; Score 1645.6; DB 10; Length 2470;

Best Local Similarity 81.6%; Pred. No. 0;
Matches 1958; Conservative 0; Mismatches 417; Indels 24; Gaps 4;

Qy 58 CGCACCATATCGCAGGACACCGCCCGCGGAGCGCGCGCAGGAGACCCCGCTCGCGCAC 117
Db 40 CGCACCATATCGCAGGAGTTCGCTGTCGCGCGCGCCACCCAAAGACCCCACTCGCAC 99
Qy 118 CTGCGCACGCGAGAGAGCGCGACCGCTCGGGGTGCTTCGCGCGGCCCAAAACACCGTGTAC 177
Db 100 CTGCGTACGCGGAGAGAGCGCGGCC-----GGGTCCCGGGGCGCCGACACCGTGTAC 153
Qy 178 CTGCGAGTGTGGCAGCGGCTAGCGGGACTCGGGGCCCGCGCTCTACGTCTTCTCCGAG 237
Db 154 CTGCGAGTGTGGCGCGCGCGCGCGGACCGCGGGGCTCTCTCTATGTCTTCTCGGAA 213
Qy 238 TTCAACCGGTATCTCTTTCAACTGTGGAGAGGGCTTCAGAGACTCATGCGAGGACACAAG 297
Db 214 TACAACAGGTACCTTTTAACTCGGAGAGGCGTCCACGACTTATGCGAGGAGACAAG 273
Qy 298 TTAAGGTTCCTCGCTCGGCAACATATCTCTGACAGAAATGCAATGCACTGGTCTAATGTGG 357
Db 274 ACTGAAAGTCTGCTCGCTTGAACAATCTTTCTGACTCGGATGCTTGGTCAATGTGG 333
Qy 358 GGCTTAAAGTGAATGATTTCTTAAAGGAAACCGGCTTCCAAAGTGTGACTTCT 417
Db 334 GGGTGTGTGGAATGATTTAACTTTAAGGAAACCGGCTTCCAAATGTGTCTGTCT 393
Qy 418 GGAACCTCCACA CTGGAATAATACCTCGAAGCAATCAAAATATTTTCTGCTCAATTGAA 477
Db 394 GGACCAACACAGCTGGAGAAATATCTAGAAGCAATCAAAATATTTTCTGCTCAATTGAA 453
Qy 478 GGAATAGAACTGTGCGGCGCCACTCTGCCAGAAATACAGATGAAACCATGACA 537
Db 454 GGAATAGAACTGTGCGGCGCTCTCTGCAAGAAATACAGATGAGACCTGACT 513
Qy 538 GTTTACAGATCCCACTACACAGTGAACAGAGAGGAGGAAAGCAACCAACCATGCGCAGT 597
Db 514 GTTTACAGTCCCTATCCACAGTGAACGAGGTGTGGAAGCAACAGCCATCCAGAGC 573
Qy 598 CCAGAAAGGCTCTCAGCAGGCTCAGTCAGAGGATCTTCAGACTCCGAGTCCGAATGAA 657
Db 574 CCAGAAACATCTCCCAACAGGCTCAGTCCCAACAGTCTATCGGACTCTTGATCAGTGAA 633
Qy 658 AATGAGCCACACCTTCCACATGTTAGCCAGAGAGAGGCTCAGGACTCTTCCCTG 717
Db 634 AATGGGC-----AGTGCAACAGGAAGCATGGGCGAGGAC--CTCTCTTA 678
Qy 718 GTGCTAGCTTTCACTGTGAAGCTTCACTTAAAGAGAGAAACTTGTGTCTCAAAGCA 777
Db 679 GTGCTAGCTTTGTCTGCAAGCTTCACTTGAGAAAGAAACTTCTTGTGCTTAAAGCA 738
Qy 778 AAGGAGATGGCTCCCACTGCGAGCTGCGCATGCTCCCATCATTCGCTGCTCAAG 837
Db 739 AAGGAGCTGGCTTCTCTGCGAGCGGCGCATTTGCAACCATCATCTCTGCTGCAAG 798
Qy 838 GACGGAAAGCATCACTCATGAAGAGAGAGATTTTGGCTGAAGAGTGTGTACTCT 897
Db 799 GACGGAGAGATCACTTACGAAGAGAGAGATTTGCTGCTGAAGAGCTTTGTACACCC 858
Qy 898 CCAGATCTCTGTGCTCTTCTGCTGTGATGATGTCAGATGAAGCTTCAATCAACC 957
Db 859 CCAGATCTCTGTGCTTGTATTCATCTGCTGTGATGCTCTGATGAAGGATTCATCTGCCC 918
Qy 958 ATCTGTGAGATGCCACCTTTTCAGAGGTACCAAGAAAGGAGGATGCCCTGCTGCTG 1017
Db 919 ATCTGTGAGAACGACACCTTTAAAGGTACACAGGAGGCTGTGACCTGTGCGCTG 978
Qy 1018 GTGCTTCACTGCGCCAGCATCTGTGCTTGTGGAACAGAGTACAGAGTGAAGAG 1077
Db 979 GTGGTCCACATAGCCCCAGAAATCTGTACTCATCGACAGCAGATACAGCAGTGAAG 1038
Qy 1078 AGGTTTGGGCTGACACCCAGCAGTGTGCTCTGAAATGAACTGTGCTCAGTTCACAC 1137

Dd	1039	AGGTTGGGGCTGACACACAGCACCTGATTTGATGAGAATTCGCCCTCGGTCCACAAC	1098
Qy	1138	CTTCGGAGCCCAAGATTCAAAACCAGCTCAACTCATCCACCGGACATCTTCCCCCTG	1197
Dd	1099	CTGGCAGCCCAAGATTGACGCCAGCTCAGCCTCATCCACCTGACATCTTCCCCCGAG	1158
Qy	1198	CTCACCAAGTTTCGGCTGTAAAGAGAGGGGCCCAACCCTCAGTGTGCCCATGGTTCAAGGT	1257
Dd	1159	CTTACCAGCTTCTATGTAAGGAGGAAGGTTCCACCTCAGCGTGGCAACAGTTCCGGGT	1218
Qy	1258	GAATGCCCTCTCAAGTACCACTCGTCCAGAGGAGGAGTGGCAGAGGATGCCATTAAT	1317
Dd	1219	GAATGCCCTCTCAAGTATTCAGTCCGCCCCCAAGAGAGAGTGGCAGAGGGATACCACTC	1278
Qy	1318	ACTTGCATCTGAGGAATTCATAGTTGAGCGCTGCAGCTTCCCACTTCCAGCAGAGC	1377
Dd	1279	GACTGCAATCTGATGAATTCATAGCTGAGGCTTGGAGCTCCCGAGTTCCAGGAGT	1338
Qy	1378	GTGCAGGAGTACAGGAGGAGTGCAGGACGGCCCGCCAGCCCGCAGAGAGAAAGTFCAG	1437
Dd	1339	GTGGAGGAGTATCGGAAGACGTGCAGGAAACCCAGCCCCAGCAGAGAGAAAGCCAG	1398
Qy	1438	TACCCAGAAATCATCTTCTTGGACAGGCTGCCATCCCGATGGAAGATTCGAATGTC	1497
Dd	1399	TATCCTGAATTTGCTCTCTCGGTACGGGGTCTGCCATCCCAATGGAGATCCGAAATGTC	1458
Qy	1498	AGTGCCACACTTGTCAACATAAGCCCGACACAGTCTCTGTACTTGGACTGTGTGAGGGC	1557
Dd	1459	AGTTCCACACTCGTCAACTAAGCCCTGACAAGTCAGTGTCTCTGGATTTGGAGAGGC	1518
Qy	1558	ACATTTGGGAGCTGTGCGCTCATACGGAGACAGGTGGACAGGTCCTGGGCACCTG	1617
Dd	1519	ACTTTTGGGCGATTGTGCGCTCATACGGACAGCAATAGACCAGTCTTATGCGCCTC	1578
Qy	1618	GCTGCTGTGTTGTGTCCTCCACTGCACGCAGATCACCACAGGCTTGCCAAATATCTTG	1677
Dd	1579	ACGGCTGTGTTGTGTCCTCCACTGCACGCCAGCACACACAGGCTTGTGATATCTTG	1638
Qy	1678	CTGCAGAGAGAACGGCCTTGCCATCTTTTGGGAAAGCCGCTTACCCCTTGTCTGGTGT	1737
Dd	1639	CTGCAGAGAGAGCATGCGTTGGCATCTCTGGGAAACCCCTTCCAGCCCTTGTCTGGTG	1698
Qy	1738	GGCCCAACCACTCAAGCCCTGGCTCCAGCAGTACCAACACAGTGCAGGAGTCTCTG	1797
Dd	1699	GCTCCTACCCAGCTCAGGCGCTGGCTGCAGCAGTATCAACCACTGCCAGAGATTCG	1758
Qy	1798	CACCACATCAGTATGATTCCTGCCAAATCCCTTCAAGGAGGGGTGAGATCTCCAGTCT	1857
Dd	1759	CACCAGTCAGTATGATTCCTGCCAAATGCCCTTCAGAAAGGGGCAGAGTCTCCAATACT	1818
Qy	1858	GCAGTGGAAAGATTGATCAGTTCGCTGTGCGACATGATTTGGAGAGTTCAGACC	1917
Dd	1819	ACATTTGGAAAGCTGATAAGCTGTGTGTGAAACATGTGACTTAGAAGAAATTCAGACC	1878
Qy	1918	TGTCTGTGCGGCACTGCAAGCATGGTTTGGCTGTGGCTGTGGTGACACCTCTGGCTGG	1977
Dd	1879	TGCTGTGTACGGCACTGCAAGCATGCTTTTGGCTGTGCACTGGTACATTCATCTGGCTGG	1938
Qy	1978	AAAGTGTCTATTTCCGGGGACACCATGCTCCGAGGCTCTGGTCCGGATGGGGAAGAT	2037
Dd	1939	AAAGTGTCTACTCCGGGGATACCATGCTCTGTGAGGCTCTGGTCCAGATGGGGAAGAT	1998
Qy	2038	GGCACCTCTCATATACATGAAGCCCTTGGAAAGATGGTTTGGAAAGAGAGCAGTGGAA	2097
Dd	1999	GGCACCTCTCATATACATGAAGCCCTCTGGAGGATCNCCTTGGAAAGAGAGCAGTACAG	2058
Qy	2098	AAGACACACAGACACACCTGCCAAGCCATCAGCGTGGGATGCGGATGAACCGGAGTTC	2157
Dd	2059	AGGACACACAGACACACCTGCCAAGCTATTAATGTGGGATGCGGATGAATGCGGAGTTC	2118
Qy	2158	ATATGCTGACACCTTCAGCGCGCTATGCCAAGTCCCTCTCTTCCGCCCAACTTC	2217
Dd	2119	ATCATGCTGAACCACTTCAGTCAGCGGTACGCAAGATCCCTCTTTTTCAGGCTGACTTC	2178

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